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LORAN-C RHO-RHO SECONDARY PHASE CORRECTION TABLE

GULF OF ALASKA/ WEST COAST CANADA

Prepared and published by the
DEFENSE MAPPING AGENCY HYDROGRAPHIC/TOPOGRAPHIC CENTER
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1986

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PREFACE

Loran-C Rho-Rho Secondary Phase Corrections contained in this table are necessary to reduce a calculated Loran-C groundwave range value to a more accurate line of position. The table is entered directly with a DR position or the latitude and longitude of an uncorrected Loran-C Rho-Rho fix to the nearest ten minutes of arc to find the correction. The correction, being a microsecond value, is then added algebraically to the phase difference value.

Although descriptive and instructional materials for Loran-C are included in navigation manuals published by the Defense Mapping Agency Hydrographic/Topographic Center (DMAHTC) and other sources, a general introduction to the basic concepts of the Loran-C Rho-Rho Navigation System and the derivation of the Rho-Rho Secondary Phase Correction are included in this table for review by the navigator.

Users should refer corrections, additions and comments for improving this product to:

Director, Defense Mapping Agency Hydrographic/Topographic Center
Attn: PR
Washington, D.C. 20315-0030

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LORAN-C RHO-RHO
SECONDARY PHASE CORRECTION TABLES

INTRODUCTION

LORAN-C RHO-RHO DESCRIPTION

Basic Principles of Rho-Rho Loran-C

Loran-C is a long range navigation system, employing time difference measurements of signals received by the navigator from low frequency (100 kHz) ground transmitting stations. This system can be utilized in the standard hyperbolic or the specialized ranging (Rho-Rho) mode, depending on the user's requirement and available equipment. In the Rho-Rho mode, received signals from a single Loran-C transmitting station are compared against a stable local atomic frequency standard. The difference in phase between these two signals plus the number of wave-lengths (continuously counted within the receiver) will give the navigator the distance or range in microseconds from his position to the position of the received Loran-C transmitting station. The measured range represents one Rho-Rho line of position. This process must be completed again using signals from another Loran-C transmitting station. When two Rho-Rho lines of position have been determined and plotted on a special chart, portraying a ranging lattice, the crossing point of the lines defines a geographical position.

It has become possible in recent years to resolve a Loran-C fix either hyperbolic or Rho-Rho without plotting on the special charts. This is accomplished by using electronic computers specifically programmed to convert the phase or time difference readings to geographic coordinates. The phase difference readings are entered in the computer either manually or automatically. The computed geographic coordinates are displayed on Nixie Tubes, printed on paper, or stored on tape (i.e. magnetic or punched paper) for future analysis.

Loran-C Calibration

Calibration for the Loran-C chain is accomplished by:

a. An intensive monitoring of the propagated signals in the coverage area.
b. Horizontal surveying of the monitoring positions.
c. Determining time difference values for the surveyed positions.
d. Performing a statistical analysis between field monitored and computed time differences.
e. Assignment of land conductivity values.
f. Final adjustment of the control numbers held at the transmitting stations.

The United States Coast Guard is responsible for the calibration of each Loran-C Chain. The calibration team is flown into selected airfields to monitor the Loran-C signals. In remote areas, without airfields, a mobile van is used for monitoring. These monitor sites are marked and later surveyed relative to local horizontal datum by the Defense Mapping Agency (DMA). The local horizontal datum positions are converted to a World-Wide Geodetic System so as to improve the predictability of the Loran-C readings over the entire globe. Time difference values for all the observed pairs are then determined for each monitor site based on these WGS positions.

A statistical analysis is performed on the differences between the computed and the observed or field recorded values. The observed values will differ from the computed ones because of the mixed propagation path of the transmitted signal. Water bodies and various types of land masses along the signal path absorb the signal and cause an appreciable decrease in velocity and an increase in the propagation time. Other factors such as variations in the transmitted coding delay and retardation in velocity due to the index of refraction, although small, will affect the reception of Loran-C signals.

After the analysis, conductivity values are assigned to all land masses in the service area of the Loran-C chain. These values are designed to compensate for the signal retardation of the mixed propagation path. This method is limited by the number of monitoring sites occupied in the field by the calibration team. Loran-C stations have been installed to provide the best coverage over water areas. Therefore, a minimum amount of land mass is available on which to establish calibration points for some service areas. Thus, in the final calibration, the land conductivities assigned may only approximate the true values.

The adjustment of the control numbers held at the transmitters is the final effort to bring the entire system into agreement with the calibration results.

SECONDARY PHASE CORRECTION

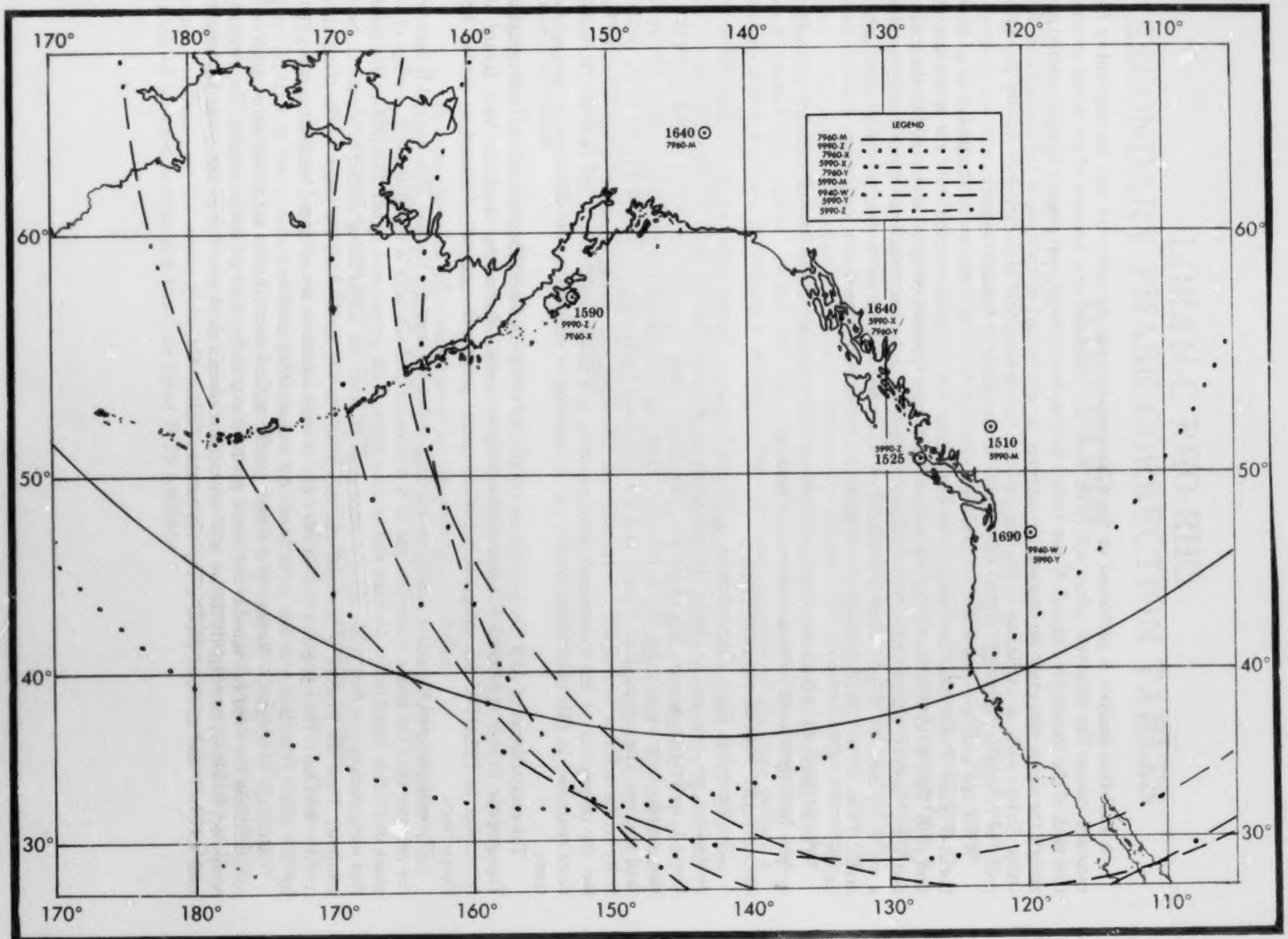
The Secondary Phase Corrections or Additional Secondary Factors (ASF) which are presented in this publication are required to obtain the maximum positioning accuracy from the Rho-Rho mode of the Loran-C navigation system. The Secondary Phase Correction, hereafter referred to as the ASF Correction, results from attenuation of low frequency radio signals transmitted over heterogenous surfaces of land and sea. The propagation velocity of a low frequency radio signal is related directly to the conductivity to the surfaces over which it is transmitted. Therefore, any change of surface conductivity will affect the propagation of the transmitted signal resulting in a phase retardation at the receiver. The corrections contained in this publication are for use in reducing or eliminating the difference in propagation time.

The computation of ASF Corrections are performed by the Defense Mapping Agency Hydrographic/Topographic Center (DMAHTC). Land conductivity constants derived by the U.S. Coast Guard are forwarded to DMAHTC for integration into computed programs especially designed to resolve ASF Corrections.

The solution used to resolve ASF Corrections is called Millington's Method. This method is based on the premise that the phase distortion due to a composite land-sea path is the arithmetic average of the phase distortion found in the forward and reverse paths of the propagated signal. Essentially this means that computations are first made along a given azimuth from the transmitting station to a point (forward solution). Then the process is reversed and computations are made from the point to the transmitter (reverse solution). The results of the forward and reverse solutions are averaged to obtain a mean value for the phase retardation at the point from one transmitting station.

Although Millington's Method is a simple mathematical solution, the extremely large number of computations required for tabular and chart production prohibit manual computations. The electronic computer, however, can rapidly derive ASF corrections along a given azimuth at any desired increment, such as every one nautical mile, every ten nautical miles, etc.

LORAN-C RHO-RHO RANGE DIAGRAM GULF OF ALASKA – WEST COAST, CANADA


170°
180°
170°
160°
150°
140°
130°
120°
110°
60°
50°
40°
30°
LEGEND
7960-M
9990-Z / 7960-X
5990-X / 7960-Y
5990-M
9940-W / 5990-Y
5990-Z
1640 7960-M
1590 9990-Z / 7960-X
1640 5990-X / 7960-Y
5990-Z 1525
1510 5990-M
1690 9940-W / 5990-Y

The circular arcs reflect maximum usable ground wave signal ranges of from 1525 to 1690 nautical miles.

Figure 1.

The mean values derived for one station from the forward and reverse solution of Millington's Method are presented in an azimuth array. This array is a series of geodetic azimuths radiating from a transmitter with corrections computed at incremented distances along each azimuth. After the values are computed in the azimuthal array a computer program rearranges them into a matrix form. The matrix form is the arrangement of corrections into rows and columns covering a specified geographical area at a constant spacing. The purpose of the matrix is to enable the corrections from a Loran-C transmitter to be arranged in the desired tabular form. This tabular form is the body of the table.

TABLE DESCRIPTION

A Rho-Rho ASF Correction Table is prepared for each station in a Loran-C chain. As a rule, the limits of the table coverage are determined by the range of the groundwave transmissions from the appropriate Loran-C station, (see figure 1). Each page of corrections in the table covers an area six degrees in latitude by two degrees of longitude, with corrections printed in increments of ten minutes of arc. The latitude values are printed in the left hand column of each correction page. The longitude values are printed in the upper and lower row of the page. Station designation and page numbers are printed at the top of each correction page.

Pages are numbered from left to right, starting in the upper left corner of the area, (see Page Index, page 1). Those pages on which the latitude and longitude limits include all land area will be omitted and their numbers transferred to the next appropriate page. Those pages where latitude and longitude limits contain both land and sea water are included, but contain corrections only for the area covered by sea water. Large land bodies will be represented by blank spaces on the page.

Rho-Rho ASF correction values can only be negative. These negative values are indicated by a negative sign preceding the number. Areas requiring no correction show a zero value which in some cases may be preceded by a negative sign. The negative sign preceding a zero results from the rounding off of a value slightly less than zero and indicates the trend of the correction.

USE OF TABLES

The Rho-Rho ASF Correction Tables have limited distribution and are published primarily for precision military and survey type operations which utilize electronic computers to convert Loran-C Rho-Rho phase differences to geographic coordinates. This does not preclude application of the ASF Correction Tables by authorized personnel using manual plotting methods for the Rho-Rho Loran-C mode of navigation.

Although the Rho-Rho ASF Corrections are generally too small to affect a Loran-C Rho-Rho fix plotted on a small scale chart, they can become as large as 4 microseconds. This off-set in feet will be appreciable in the areas of coverage as depicted in figure 1.

The table can be entered directly by using the ship's position determined to the nearest ten minutes of arc in latitude and longitude either by dead reckoning or some other means. To find the page with the appropriate correction, the Page Index of the table must be utilized. This index shows the limits and page number of all pages in the table. Each page is six degrees in latitude and two degrees in longitude. Enter the index with the ship's position and locate the number of the page on which the desired correction is found. In some cases the ship's position will fall on the page limit in either latitude or longitude or both. These positions are repeated on both pages and either page may be used. The Rho-Rho ASF correction is added algebraically to the phase difference for the Loran-C station. Many users having electronic computers will enter these values for the received stations directly into the computer. While in the area where the corrections apply, the values will be applied automatically to all calculated phase differences for the particular stations. The geographical position determined from the corrected phase differences will be the most precise position which can be determined by using the Rho-Rho mode of the Loran-C navigation system.

TABLE LIMITATIONS

Interpolation or extrapolation of Rho-Rho ASF Corrections from the table is not recommended. The correction nearest the derived latitude and longitude should be applied to the appropriate phase differences.

ASF Corrections should not be used within ten nautical miles of land. This are represents an unreliable zone where large variations occur in the magnitude of the corrections.

EXAMPLE

Loran-C Rho-Rho phase differences calculated by the computer are 3214.63 microseconds and 2908.60 microseconds for Stations 9960-M and 9960-X respectively. From these values the computer determines a position of 39°02.30′N latitude and 66°28.10′W longitude. Entering the Page Index of the Rho-Rho 9960-M ASF table with the latitude and longitude nearest to the computed ship's position, the page number containing the derived geographics is found to be 27, example page VII. Entering page 27, the Rho-Rho 9960-M ASF correction at 39°00.00′N latitude and 66°30.00′W longitude is −2.8 microseconds. Entering the Rho-Rho 9960-X ASF table, the same procedure used with the Rho-Rho 9960-M ASF table is repeated. The correction for 39°00.00′N latitude and 66°30.00′W longitude is found on page 54, example page VIII and the value is −1.9 microseconds.

The Rho-Rho ASF corrections are applied to the calculated phase differences as follows:

9960-M Phase Difference	3214.63	9960-X Phase Difference	2908.60
Rho-Rho ASF Correction	−2.80	Rho-Rho ASF Correction	−1.90
Corrected Phase Difference	3211.83	Corrected Phase Difference	2906.70

The corrected phase differences are used to recompute a new latitude and longitude for the Loran-C fix. This new position, 39°02.56′N latitude and 66°28.58′W longitude, indicates an appreciable off-set from the original position.

In the areas where Rho-Rho ASF Corrections are relatively constant, values can be preset into the computer and corrected geographic positions obtained automatically.

EXAMPLE PAGE

LONGITUDE WEST

LATITUDE NORTH	68° 0'	50	40	30	20	10	67° 0'	50	40	30	20	10	66° 0'
42° 0'	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1
50	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1
40	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1
30	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1
20	-3.2	-3.2	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1
10	-3.1	-3.1	-3.1	-3.1	-3.2	-3.2	-3.2	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1
41° 0'	-3.1	-3.1	-3.0	-3.0	-3.1	-3.1	-3.1	-3.1	-3.2	-3.2	-3.2	-3.2	-3.2
50	-3.0	-3.0	-3.0	-3.0	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1
40	-3.0	-3.0	-3.0	-3.0	-3.0	-3.0	-3.0	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1
30	-2.9	-2.9	-2.9	-3.0	-3.0	-3.0	-3.0	-3.0	-3.0	-3.0	-3.0	-3.1	-3.1
20	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-3.0	-3.0	-3.0	-3.0	-3.0	-3.0
10	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-3.0	-3.0	-3.0
40° 0'	-2.8	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9
50	-2.8	-2.8	-2.8	-2.8	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9
40	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.9	-2.9	-2.9	-2.9
30	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.9
20	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8
10	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8
39° 0'	-2.7	-2.7	-2.7	-2.7	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8
50	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8
40	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8
30	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.8	-2.8	-2.8
20	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.8
10	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7
38° 0'	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7
50	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7
40	-2.6	-2.6	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7
30	-2.6	-2.6	-2.6	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7
20	-2.6	2.6	-2.6	-2.6	-2.6	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7
10	-2.7	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.7	-2.7	-2.7	-2.7	-2.7
37° 0'	-2.7	-2.7	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.7	-2.7	-2.7	-2.7
50	-2.7	-2.7	-2.7	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.7	-2.7	-2.7
40	-2.7	-2.7	-2.7	-2.7	-2.7	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.7
30	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6
20	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.6	-2.6	-2.6	-2.6	-2.6
10	-2.6	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.6	-2.6	-2.6	-2.6
36° 0'	-2.5	-2.6	-2.6	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.6	-2.6	-2.6
	68° 0'	50	40	30	20	10	67° 0'	50	40	30	20	10	66° 0'

LONGITUDE WEST

EXAMPLE PAGE

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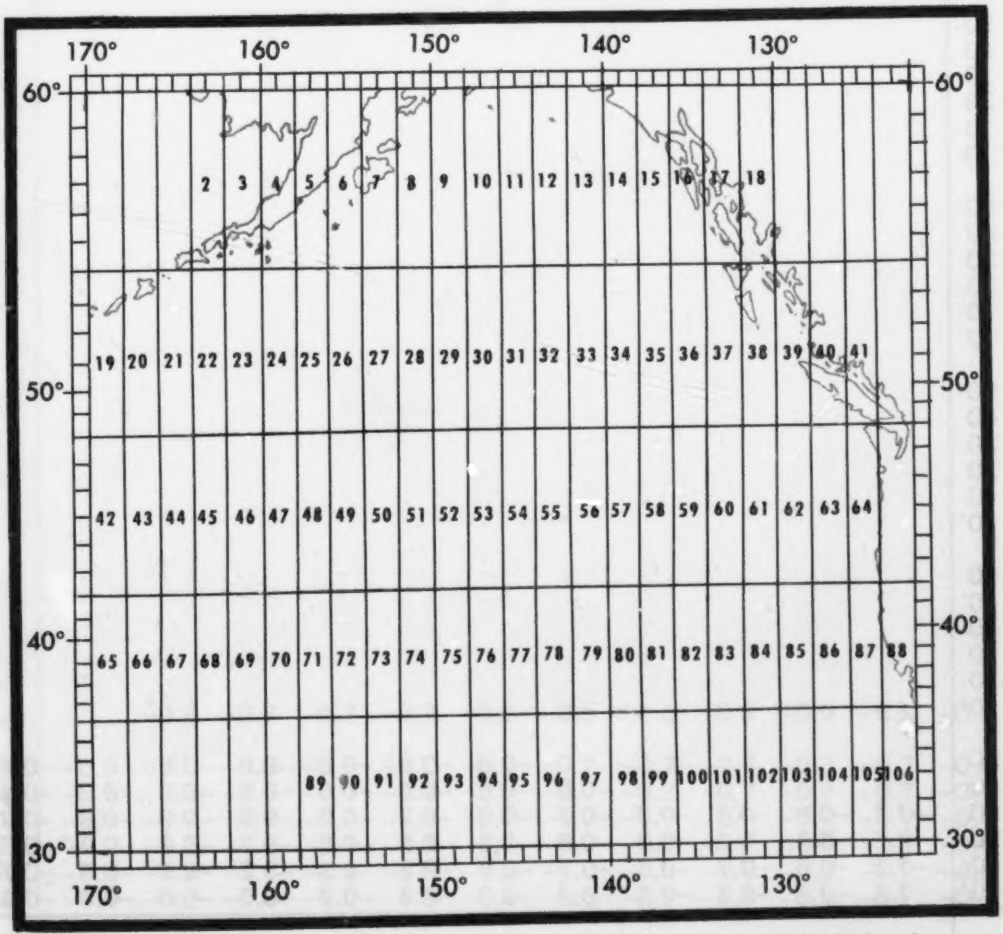
9960-X

LATITUDE NORTH	LONGITUDE WEST 68° 0'	50	40	30	20	10	67° 0'	50	40	30	20	10	66° 0'
42° 0'	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8	-1.8	-1.8	-1.8	-1.9	-1.9	-1.9
50	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8	-1.9	-1.8	-1.8	-1.9	-1.9	-1.9
40	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8	-1.9	-1.9	-1.9
30	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8	-1.9	-1.9	-1.9
20	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8	-1.9	-1.9	-1.9
10	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8	-1.9	-1.9	-1.9
41° 0'	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8	-1.9	-1.9	-1.9
50	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9
40	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9
30	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9
20	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9
10	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9
40° 0'	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9
50	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9
40	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9
30	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9
20	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9
10	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9
39° 0	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9
50	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9
40	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9
30	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.9	-1.9	-1.8	-1.9	-1.9	-1.9
20	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9
10	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8
38° 0'	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.9	-1.9	-1.8	-1.9	-1.9	-1.8
50	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.9	-1.9	-1.8	-1.9	-1.9	-1.8
40	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8	-1.9	-1.8	-1.9	-1.9	-1.9
30	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8	-1.9	-1.8	-1.9	-1.9	-1.9
20	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8	-1.9	-1.9	-1.9	-1.9	-1.9
10	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8	-1.9	-1.9	-1.9	-1.9	-1.9
37° 0'	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8	-1.9	-1.9	-1.9	-1.9	-1.9
50	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8	-1.9	-1.9	-1.8	-1.8	-1.9
40	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8	-1.9	-1.9	-1.8	-1.8	-1.9
30	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8	-1.9	-1.9	-1.8	-1.8	-1.9
20	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8	-1.9
10	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.9	-1.9	-1.8	-1.9
36° 0'	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.9	-1.9	-1.9	-1.8	-1.9
	68° 0'	50	40	30	20	10	67° 0'	50	40	30	20	10	66° 0'
	LONGITUDE WEST												

PAGE INDEX TO RHO-RHO SECONDARY PHASE CORRECTIONS FOR LORAN-C STATION 5990-X/7960-Y SHOAL COVE


170°
160°
150°
140°
130°
60°
50°
40°
30°
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41
42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64
65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88
89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106

Corrections on each page cover an area six degrees in latitude and two degrees in longitude and are in increments of ten minutes of arc.

5990–X

	LONGITUDE WEST												
LATITUDE NORTH	164° 0′	50	40	30	20	10	163° 0′	50	40	30	20	10	162° 0′
60° 0′													
50													
40													
30													
20													
10													
59° 0′													
50													
40													
30													
20													
10													
58° 0′													
50													
40													
30													
20													
10													
57° 0′													
50													
40													
30													
20													
10													
56° 0′													
50													
40													
30													
20													
10													
55° 0′													
50						–0.8	–0.9	–0.9	–0.8	–0.8		–0.8	–0.8
40					–0.8	–0.9	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.8
30	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
54° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.6	–0.6
	164° 0′	50	40	30	20	10	163° 0′	50	40	30	20	10	162° 0′
	LONGITUDE WEST												

LONGITUDE WEST

LATITUDE NORTH	162° 0′	50	40	30	20	10	161° 0′	50	40	30	20	10	160° 0′
60° 0′													
50													
40													
30													
20													
10													
59° 0′													
50													
40													
30													
20													
10													
58° 0′													
50													
40													
30													
20													
10													
57° 0′													
50													
40													
30													
20													
10													
56° 0′													
50													
40													
30													
20													
10													
55° 0′		–0.8	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.9	–0.8	–0.9	–0.8
50	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7
40	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
54° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
	162° 0′	50	40	30	20	10	161° 0′	50	40	30	20	10	160° 0′

LONGITUDE WEST

LONGITUDE WEST

LATITUDE NORTH	160° 0′	50	40	30	20	10	159° 0′	50	40	30	20	10	158° 0′
60° 0′													
50													
40													
30													
20													
10													
59° 0′													
50													
40													
30													
20													
10													
58° 0′													
50													
40													
30													
20													
10													
57° 0′													
50													
40													−1.2
30										−1.0	−0.9	−0.9	−1.0
20												−0.7	−0.7
10											−0.7	−0.7	−0.7
56° 0′													
50		−1.1		−0.9	−0.8		−0.8	−0.8	−0.7	−0.7	−0.7	−0.7	−0.7
40		−0.8		−0.7	−0.7	−0.7	−0.7	−0.6	−0.6	−0.7	−0.7	−0.7	−0.7
30		−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
20		−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
10			−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.6
55° 0′	−0.8	−0.7	−0.7	−0.7	−0.6	−0.6	−0.6	−0.6	−0.7	−0.7	−0.7	−0.7	−0.7
50	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.6
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
20	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
10	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
54° 0′	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7	−0.6	−0.7	−0.7
	160° 0′	50	40	30	20	10	159° 0′	50	40	30	20	10	158° 0′

LONGITUDE WEST

LATITUDE NORTH	LONGITUDE WEST												
	158° 0'	50	40	30	20	10	157° 0'	50	40	30	20	10	156° 0'
60° 0'													
50													
40													
30													
20													
10													
59° 0'													
50													
40													
30													
20													
10													
58° 0'													
50													
40													–1.4
30										–1.5	–1.4	–1.4	–1.4
20											–1.2	–1.2	–1.2
10									–1.3	–1.1	–1.1	–1.1	–1.1
57° 0'													
50					–1.2		–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9
40					–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
30	–1.2	–0.9	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9
20	–1.0		–0.9	–0.9	–0.9	–0.9	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
10	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7
56° 0'	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–6.1	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7
10	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
55° 0'	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
54° 0'	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	158° 0'	50	40	30	20	10	157° 0'	50	40	30	20	10	156° 0'
	LONGITUDE WEST												

	LONGITUDE WEST												
	156° 0′	50	40	30	20	10	155° 0′	50	40	30	20	10	154° 0′
LATITUDE NORTH 60° 0′													
50													
40													
30													
20													–0.9
10												–0.9	–0.9
59° 0′													
50													
40													
30													
20												–1.0	–1.0
10												–0.9	–0.9
58° 0′							–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
50						–1.1	–1.1	–1.1	–1.1	–1.1	–1.1	–1.2	–1.2
40				–1.1	–1.1	–1.1	–1.1	–1.1	–1.1	–1.1	–1.1	–1.2	–1.2
30	–1.4	–1.4	–1.4	–1.4	–1.4	–1.4	–1.5	–1.5	–1.6				
20	–1.4	–1.4	–1.4	–1.4	–1.4	–1.5	–1.5	–1.6					
10	–1.2	–1.2	–1.2	–1.2	–1.2	–1.2	–1.3	–1.3	–1.3				
57° 0′	–1.1	–1.1	–1.1	–1.1	–1.1	–1.2	–1.2	–1.2	–1.2				–1.1
50	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	
40	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
30	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–1.0	–1.0		–0.9	–1.0		–0.8
20	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
56° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7
50	–0.7	–0.7		–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
55° 0′	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.6	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
54° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	156° 0′	50	40	30	20	10	155° 0′	50	40	30	20	10	154° 0′
	LONGITUDE WEST												

LONGITUDE WEST

LATITUDE NORTH	154° 0′	50	40	30	20	10	153° 0′	50	40	30	20	10	152° 0′
60° 0′										−1.4	−1.4	−1.5	−1.5
50						−1.4		−1.3	−1.3	−1.3	−1.4	−1.4	−1.4
40							−1.2	−1.2	−1.2	−1.2	−1.2	−1.2	−1.2
30			−1.2	−1.1	−1.2	−1.2	−1.2	−1.3	−1.3	−1.3	−1.3	−1.3	−1.4
20	−0.9	−0.9	−0.9		−1.0	−1.0	−1.0	−1.0	−1.1	−1.2	−1.3	−1.3	−1.4
10	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−1.0
59° 0′				−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9
50					−0.9	−0.8	−0.8	−0.9	−0.9	−0.8	−0.8	−0.8	−0.8
40				−0.9	−0.9	−0.9	−0.9	−0.8	−0.8	−0.8	−0.9	−0.9	−0.9
30		−0.9	−0.9	−0.9	−0.9	−0.8	−0.8	−0.8	−0.9		−0.8	−0.8	−0.8
20	−1.0	−1.0	−1.0	−1.1	−1.1	−1.1	−1.2						−0.9
10	−0.9	−1.0	−1.0	−1.1	−1.2							−0.8	−0.7
58° 0′	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9			−0.7	−0.7	−0.7	−0.7	−0.7
50	−1.2			−1.2	−1.2			−1.1			−0.7	−0.7	−0.7
40	−1.2	−1.2	−1.4	−1.3							−0.7	−0.7	−0.7
30								−1.0				−0.7	−0.7
20							−0.9			−0.7	−0.7	−0.7	−0.7
10					−1.1			−0.8	−0.8	−0.8	−0.8	−0.8	−0.8
57° 0′	−1.1	−1.1		−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8
50			−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8
40	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8
30	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.7	−0.7	−0.8	−0.7
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
10	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.6	−0.6	−0.7	−0.7
56° 0′	−0.7	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7	−0.7
50	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.6	−0.6	−0.6	−0.7	−0.7	−0.7	−0.7
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.6
10	−0.7	−0.7	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
55° 0′	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7	−0.7
50	−0.6	−0.6	−0.6	−0.6	−0.7	−0.6	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
10	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
54° 0′	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.6	−0.7	−0.7	−0.7	−0.7	−0.7	−0.6
	154° 0′	50	40	30	20	10	153° 0′	50	40	30	20	10	152° 0′

LONGITUDE WEST

LATITUDE NORTH	LONGITUDE WEST												
	152° 0′	50	40	30	20	10	151° 0′	50	40	30	20	10	150° 0′
60° 0′	–1.5	–1.5											
50	–1.4	–1.5											
40	–1.2	–1.3			–1.4	–1.6							
30	–1.4	–1.4	–1.4	–1.5						–1.0		–0.9	–0.9
20	–1.4							–1.1		–1.0	–1.0	–1.0	–1.0
10	–1.0			–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9
59° 0′	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9
50	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9
40	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.8	–0.9	–0.9	–0.9	–0.8
30	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9
20	–0.9	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
58° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
57° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
50	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
40	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
56° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
55° 0′	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
54° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
	152° 0′	50	40	30	20	10	151° 0′	50	40	30	20	10	150° 0′
	LONGITUDE WEST												

LONGITUDE WEST

LATITUDE NORTH	150° 0′	50	40	30	20	10	149° 0′	50	40	30	20	10	148° 0′
60° 0′					−1.0	−1.1				−1.1	−1.2	−1.2	−1.2
50			−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−1.0
40		−1.0	−0.9	−0.8	−0.8	−0.8	−0.8	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9
30	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8
20	−1.0	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9
10	−0.9	−0.9	−0.9	−1.0	−1.0	−1.0	−1.0	−1.0	−1.0	−0.9	−0.9	−0.9	−0.9
59° 0′	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−1.0	−1.0
50	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9
40	−0.8	−0.8	−0.8	−0.8	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9
30	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.8	−0.8	−0.8
20	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9	−0.9
10	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8
58° 0′	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8	−0.8	−0.8
50	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
10	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8
57° 0′	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8
50	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8
40	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
10	−0.7	−0.7	−0.7	−0.7	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7	−0.7	−0.7
56° 0′	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
50	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
30	−0.6	−0.7	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
20	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7	−0.7	−0.7	−0.7	−0.7
10	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
55° 0′	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
50	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.6	−0.6	−0.6	−0.6
20	−0.7	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
10	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
54° 0′	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7	−0.6	−0.6	−0.7	−0.7
	150° 0′	50	40	30	20	10	149° 0′	50	40	30	20	10	148° 0′

LONGITUDE WEST

LATITUDE NORTH	LONGITUDE WEST												
	148° 0′	50	40	30	20	10	147° 0′	50	40	30	20	10	146° 0′
60° 0′	−1.2	−1.0	−1.2		−0.9	−0.9	−1.0	−1.0	−1.0	−1.0	−1.0	−1.0	−1.0
50	−1.0			−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−1.0	−1.0
40	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9
30	−0.8	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9
20	−0.9	−0.9	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9	−0.9	−0.9	−0.9	−0.9
10	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.8	−0.8	−0.8	−0.8
59° 0′	−1.0	−1.0	−1.0	−1.0	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9
50	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−1.0	−1.0	−1.0	−1.0	−1.0	−0.9	−0.9
40	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9
30	−0.8	−0.8	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9
20	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.8	−0.8	−0.8	−0.9	−0.9
10	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9	−0.9	−0.9	−0.9	−0.9
58° 0′	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8
50	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8	−0.8	−0.8
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
10	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.7	−0.7
57° 0′	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8
50	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8
40	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
10	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
56° 0′	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
50	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
30	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7	−0.6	−0.7	−0.7	−0.7
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
10	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
55° 0′	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
50	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
30	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
20	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7	−0.7	−0.6	−0.7
10	−0.6	−0.6	−0.6	−0.7	−0.6	−0.7	−0.7	−0.7	−0.7	−0.6	−0.7	−0.7	−0.7
54° 0′	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
	148° 0′	50	40	30	20	10	147° 0′	50	40	30	20	10	146° 0′
	LONGITUDE WEST												

LONGITUDE WEST

LATITUDE NORTH	146° 0′	50	40	30	20	10	145° 0′	50	40	30	20	10	144° 0′
60° 0′	–1.0	–0.9	–0.9	–0.9	–1.0	–1.0	–1.0	–1.0	–1.0	–1.0	–1.0	–1.0	–1.0
50	–1.0	–1.0	–1.0	–1.0	–1.0	–1.0	–0.9	–1.0	–1.0	–1.0	–1.0	–0.9	–1.0
40	–0.9	–0.9	–0.9	–0.9	–1.0	–1.0	–1.0	–1.0	–1.0	–1.0	–0.9	–1.0	–1.0
30	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–1.0	–1.0	–1.0	–1.0
20	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9
10	–0.8	–0.8	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9
59° 0′	–0.9	–0.9	–0.9	–0.8	–0.8	–0.8	–0.9	–0.8	–0.9	–0.9	–0.9	–0.9	–0.9
50	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.8	–0.8	–0.8	–0.8	–0.9
40	–0.9	–1.0	–1.0	–1.0	–1.0	–1.0	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9
30	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–1.0	–1.0	–1.0	–1.0	–0.9
20	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9
10	–0.9	–0.9	–0.9	–0.9	–0.8	–0.9	–0.8	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9
58° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9
50	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
57° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
50	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
40	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
56° 0′	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
55° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
54° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	146° 0′	50	40	30	20	10	145° 0′	50	40	30	20	10	144° 0′

LONGITUDE WEST

LATITUDE NORTH	LONGITUDE WEST 144° 0′	50	40	30	20	10	143° 0′	50	40	30	20	10	142° 0′
60° 0′	–1.0		–1.0	–1.0	–1.1	–1.0	–1.0	–1.1	–1.1	–1.1	–1.2	–1.3	–1.4
50	–1.0	–1.0	–1.0	–1.0	–1.0	–1.0	–1.0	–1.1	–1.1	–1.0	–1.1	–1.1	–1.1
40	–1.0	–1.0	–1.0	–1.0	–1.0	–1.0	–1.0	–1.0	–1.0	–1.0	–1.0	–1.1	–1.0
30	–1.0	–1.0	–0.9	–1.0	–1.0	–1.0	–0.9	–1.0	–1.0	–1.0	–1.0	–1.0	–1.0
20	–0.9	–1.0	–1.0	–1.0	–1.0	–1.0	–0.9	–1.0	–1.0	–1.0	–0.9	–1.0	–1.0
10	–0.9	–0.9	–0.9	–0.9	–0.9	–1.0	–1.0	–1.0	–1.0	–1.0	–0.9	–0.9	–1.0
59° 0′	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–1.0	–1.0	–1.0	–1.0
50	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9
40	–0.9	–0.9	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9
30	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9
20	–0.9	–0.9	–1.0	–1.0	–1.0	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.8
10	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–1.0	–1.0	–1.0	–0.9	–0.9
58° 0′	–0.9	–0.8	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9
50	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.9	–0.8	–0.9	–0.9	–0.9	–0.9
40	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.9
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
57° 0′	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
40	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
30	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
56° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
55° 0′	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
40	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
54° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	144° 0′	50	40	30	20	10	143° 0′	50	40	30	20	10	142° 0′
	LONGITUDE WEST												

LATITUDE NORTH	142° 0'	50	40	30	20	10	141° 0'	50	40	30	20	10	140° 0'
	LONGITUDE WEST												
60° 0'	−1.4												
50	−1.1	−1.2	−1.3	−1.4	−1.4								
40	−1.0	−1.1	−1.1	−1.1	−1.2	−1.3	−1.4	−1.4	−1.4	−1.4	−1.3	−1.5	−2.0
30	−1.0	−1.0	−1.1	−1.0	−1.1	−1.1	−1.1	−1.2	−1.3	−1.4	−1.4	−1.4	−1.4
20	−1.0	−1.0	−1.0	−1.0	−1.0	−1.1	−1.0	−1.0	−1.1	−1.1	−1.2	−1.3	−1.4
10	−1.0	−1.0	−1.0	−1.0	−1.0	−1.0	−1.0	−1.0	−1.1	−1.0	−1.0	−1.1	−1.2
59° 0'	−1.0	−1.0	−1.0	−1.0	−1.0	−0.9	−1.0	−1.0	−1.0	−1.0	−1.0	−1.1	−1.0
50	−0.9	−1.0	−1.0	−1.0	−1.0	−1.0	−1.0	−1.0	−1.0	−1.0	−1.0	−1.0	−1.0
40	−0.9	−0.9	−0.9	−0.9	−0.9	−1.0	−1.0	−1.0	−1.0	−0.9	−0.9	−1.0	−0.9
30	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−1.0	−1.0	−1.0	−1.0
20	−0.8	−0.8	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9
10	−0.9	−0.9	−0.9	−0.9	−0.9	−0.8	−0.8	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9
58° 0'	−0.9	−1.0	−1.0	−1.0	−0.9	−0.9	−0.9	−0.9	−0.9	−0.8	−0.8	−0.9	−0.9
50	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−1.0	−1.0	−0.9	−0.9	−0.9	−0.9
40	−0.9	−0.8	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−1.0
30	−0.8	−0.8	−0.8	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9
20	−0.7	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9	−0.9	−0.9	−0.9
10	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8	−0.8	−0.8	−0.8
57° 0'	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
50	−0.8	−0.8	−0.8	−0.8	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
40	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8
30	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8	−0.8
10	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
56° 0'	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
50	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
10	−0.7	−0.7	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
55° 0'	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7	−0.7	−0.6	−0.6	−0.7	−0.7	−0.7	−0.7
50	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
10	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
54° 0'	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
	142° 0'	50	40	30	20	10	141° 0'	50	40	30	20	10	140° 0'
	LONGITUDE WEST												

LONGITUDE WEST

LATITUDE NORTH	140° 0'	50	40	30	20	10	139° 0'	50	40	30	20	10	138° 0'
60° 0'													
50			-3.0										
40	-2.0	-2.2	-2.5										
30	-1.4	-1.3											
20	-1.4	-1.4	-1.4	-1.4	-1.5	-2.0							
10	-1.2	-1.2	-1.4	-1.4	-1.4	-1.4	-1.3	-1.8		-2.6			
59° 0'	-1.0	-1.0	-1.2	-1.2	-1.3	-1.4	-1.4	-1.4	-1.4	-1.7	-2.2	-2.4	
50	-1.0	-1.0	-1.1	-1.0	-1.1	-1.2	-1.2	-1.4	-1.5	-1.5	-1.5	-1.4	-2.2
40	-0.9	-1.0	-1.0	-1.0	-1.0	-1.1	-1.0	-1.1	-1.2	-1.3	-1.5	-1.5	-1.5
30	-1.0	-0.9	-1.0	-0.9	-1.0	-1.0	-1.0	-1.0	-1.1	-1.0	-1.2	-1.3	-1.4
20	-0.9	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.2	-1.1
10	-0.9	-0.9	-0.9	-0.9	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.1	-1.0
58° 0'	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
50	-0.9	-0.9	-0.8	-0.8	-0.9	-0.9	-0.9	-0.9	-0.9	-1.0	-1.0	-1.0	-1.1
40	-1.0	-1.0	-0.9	-0.9	-0.9	-0.9	-0.8	-0.8	-0.9	-0.9	-0.9	-0.9	-1.0
30	-0.9	-0.9	-0.9	-0.9	-1.0	-1.0	-0.9	-0.9	-0.9	-0.9	-0.8	-0.9	-0.9
20	-0.9	-0.8	-0.8	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-1.0	-1.0	-0.9	-0.9
10	-0.8	-0.8	-0.8	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9
57° 0'	-0.7	-0.7	-0.7	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.9	-0.9
50	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.8	-0.8
40	-0.8	-0.8	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7
30	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.7	-0.7
20	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8
10	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7
56° 0'	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7
50	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.6	-0.7	-0.7
40	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.6
30	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7
20	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
10	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.6	-0.6	-0.6	-0.7	-0.6
55° 0'	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7
50	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7
40	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7
30	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7
20	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7
10	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7
54° 0'	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.6	-0.7	-0.7	-0.7
	140° 0'	50	40	30	20	10	139° 0'	50	40	30	20	10	138° 0'

LONGITUDE WEST

	LONGITUDE WEST												
LATITUDE NORTH	138° 0′	50	40	30	20	10	137° 0′	50	40	30	20	10	136° 0′
60° 0′													
50													
40													
30													
20													
10													
59° 0′													
50	−2.2									−1.4	−1.4		
40	−1.5	−1.4		−2.4							−1.6	−1.4	−1.3
30	−1.4	−1.6	−1.5	−1.5									−1.5
20	−1.1	−1.3	−1.3	−1.5	−1.6	−1.6	−1.5				−1.8	−1.8	−1.7
10	−1.0	−1.1	−1.2	−1.2	−1.3	−1.5	−1.6	−1.7	−1.5	−1.9	−1.9		
58° 0′	−1.0	−1.1	−1.1	−1.0	−1.2	−1.2	−1.3	−1.4	−1.7		−1.8		
50	−1.1	−1.0	−1.0	−1.0	−1.1	−1.1	−1.1	−1.3	−1.3	−1.4			
40	−1.0	−1.0	−1.0	−1.1	−1.1	−1.1	−1.1	−1.1	−1.1	−1.1	−1.3		
30	−0.9	−0.9	−0.9	−1.0	−1.0	−1.0	−1.1	−1.1	−1.1	−1.1	−1.2	−1.2	−1.5
20	−0.9	−0.9	−0.8	−0.9	−0.9	−0.9	−1.0	−1.0	−1.0	−1.1	−1.1	−1.1	−1.2
10	−0.9	−0.9	−1.0	−0.9	−0.9	−0.9	−0.9	−0.9	−0.9	−1.0	−1.0	−1.1	−1.2
57° 0′	−0.9	−0.9	−0.9	−0.9	−0.9	−1.0	−1.1	−1.0	−1.0	−0.9	−0.9	−1.0	−1.0
50	−0.8	−0.8	−0.8	−0.9	−0.9	−0.9	−0.9	−0.9	−1.0	−1.0	−1.1	−1.0	−1.0
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8	−0.8	−0.9	−0.9	−0.9	−0.9	−1.0	−1.0
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9
20	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.7	−0.7	−0.7	−0.8
10	−0.7	−0.7	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9	−0.9	−0.9	−0.9
56° 0′	−0.7	−0.7	−0.6	−0.6	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8	−0.8	−0.8
50	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
40	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
20	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7	−0.7
10	−0.6	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
55° 0′	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8	−0.7	−0.8	−0.7	−0.7	−0.8
50	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8	−0.8	−0.7
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.6
10	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.6	−0.6	−0.6	−0.6	−0.7
54° 0′	−0.7	−0.7	−0.7	−0.7	−0.7	−0.6	−0.6	−0.6	−0.6	−0.7	−0.7	−0.7	−0.7
	138° 0′	50	40	30	20	10	137° 0′	50	40	30	20	10	136° 0′
	LONGITUDE WEST												

LONGITUDE WEST

LATITUDE NORTH	136° 0'	50	40	30	20	10	135° 0'	50	40	30	20	10	134° 0'
60° 0'													
50													
40													
30													
20													
10													
59° 0'													
50						–1.6							
40	–1.3						–1.5						
30	–1.5	–1.4						–1.5					
20	–1.7	–1.5	–1.4	–1.3			–1.6		–1.4	–1.8			–2.3
10					–1.4	–1.3	–1.4				–1.4	–1.5	
58° 0'								–1.4				–1.3	–1.5
50								–1.4					
40			–1.4					–1.3					–1.3
30	–1.5					–1.3		–1.4	–1.4				
20	–1.2		–1.3						–1.4	–1.5			
10	–1.2	–1.2			–1.3				–1.3			–1.4	–1.3
57° 0'	–1.0	–1.1	–1.1	–1.2	–1.2				–0.9	–1.0	–1.2	–1.2	–1.3
50	–1.0	–0.9	–1.0	–1.1		–1.2			–0.9	–0.9	–1.0		–1.2
40	–1.0	–1.0	–1.1	–1.1	–1.1	–1.1				–0.9	–0.9		
30	–0.9	–0.9	–1.0	–1.0	–1.1	–1.2				–0.9	–0.8	–0.9	
20	–0.8	–0.8	–0.8	–0.8	–0.9	–1.0	–1.0		–1.0	–1.0	–1.1		
10	–0.9	–0.9	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–1.0	–1.0	–1.0	
56° 0'	–0.8	–0.8	–0.9	–0.9	–0.9	–0.9	–1.0	–1.0	–0.9	–0.9	–0.9	–0.9	–0.9
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.9	–0.9	–0.9	–1.0
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
10	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9
55° 0'	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.8	–0.8	–0.8	–0.8	–0.8
50	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.8	–0.8	–0.8	–0.8
40	–0.8	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.8	–0.8
30	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8
20	–0.6	–0.6	–0.6	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.6	–0.7	–0.6
54° 0'	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.6	–0.5	–0.4
	136° 0'	50	40	30	20	10	135° 0'	50	40	30	20	10	134° 0'

LONGITUDE WEST

LATITUDE NORTH	LONGITUDE WEST 134° 0′	50	40	30	20	10	133° 0′	50	40	30	20	10	132° 0′
60° 0′													
50													
40													
30													
20													
10													
59° 0′													
50													
40													
30													
20	–2.3												
10													
58° 0′	–1.5		–2.3										
50		–1.6											
40	–1.3	–1.2	–1.7		–2.1								
30		–1.4	–1.2										
20		–1.0	–1.3	–1.4	–1.4	–1.6							
10	–1.3	–1.2	–1.1	–1.2		–1.2							
57° 0′	–1.3				–1.2		–1.1						
50	–1.2	–1.3			–1.2		–1.3	–1.1					
40						–1.2							
30			–0.8				–1.3	–1.1	–1.0	–1.1	–1.1		
20		–0.9	–1.0			–0.8							–1.0
10		–1.0	–1.0	–1.0	–0.8			–0.8				–0.8	–1.0
56° 0′	–0.9	–0.9		–1.0	–1.0				–0.7	–0.7			–0.7
50	–1.0	–1.0	–1.0	–0.9		–0.9					–0.6	–0.7	
40	–0.8	–0.8	–0.8	–0.9						–0.7	–0.7		–0.6
30	–0.8	–0.8				–0.8					–0.6		–0.6
20	–0.8	–0.8	–0.9	–0.9									–0.6
10	–0.9	–0.9	–0.9	–0.9	–0.9		–0.9	–1.0			–0.9	–0.8	
55° 0′	–0.8	–0.8	–0.9	–0.9	–0.9	–0.8		–1.0	–0.9			–0.4	
50	–0.8	–0.7	–0.8	–0.9	–0.9	–0.9	–1.0			–0.4	–0.5		
40	–0.8	–0.8	–0.8	–0.9	–0.8	–0.7	–0.7	–0.6		–0.6	–0.7	–0.7	–0.6
30	–0.8	–0.8	–0.7	–0.7	–0.7	–0.5	–0.4	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.7	–0.7	–0.6	–0.5	–0.4	–0.4	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.5	–0.4	–0.3	–0.5	–0.6		–0.6	–0.6	–0.6	–0.6	–0.6	–0.5
54° 0′	–0.4	–0.3	–0.4	–0.5	–0.6	–0.7							
	134° 0′	50	40	30	20	10	133° 0′	50	40	30	20	10	132° 0′
	LONGITUDE WEST												

5990–X

LONGITUDE WEST

LATITUDE NORTH	132° 0′	50	40	30	20	10	131° 0′	50	40	30	20	10	130° 0′
60° 0′													
50													
40													
30													
20													
10													
59° 0′													
50													
40													
30													
20													
10													
58° 0′													
50													
40													
30													
20													
10													
57° 0′													
50													
40													
30													
20	–1.0												
10	–1.0												
56° 0′	–0.7			–0.9									
50				–0.9									
40	–0.6												
30	–0.6	–0.7			–0.3								
20	–0.6			–0.3			–0.5		–0.7				–1.4
10		–0.5	–0.6		–0.4	–0.5			–1.0	–1.0			
55° 0′		–0.6	–0.7	–0.6	–0.3	–0.4	–0.4				–1.2		–1.1
50		–0.6	–0.6	–0.5	–0.3	–0.4	–0.4		–1.0			–1.1	
40	–0.6	–0.6	–0.5	–0.4	–0.3	–0.4	–0.4	–0.4	–0.6	–1.0			
30	–0.6	–0.5	–0.5	–0.4	–0.3	–0.4	–0.4	–0.5	–0.5	–0.8			–1.5
20	–0.6	–0.5	–0.4	–0.4	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5	–1.1		–1.0
10	–0.5	–0.5	–0.4	–0.3	–0.3	–0.3	–0.4	–0.4		–0.4	–0.6	–1.2	–1.6
54° 0′			–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.5			–0.8	
	132° 0′	50	40	30	20	10	131° 0′	50	40	30	20	10	130° 0′

LONGITUDE WEST

LATITUDE NORTH	LONGITUDE WEST												
	170° 0′	50	40	30	20	10	169° 0′	50	40	30	20	10	168° 0′
54° 0′	−1.1	−1.1	−1.1	−1.1	−1.1	−1.2	−1.3	−1.3	−1.3	−6.4	−1.3	−1.3	−1.2
50	−1.2	−1.2	−1.3	−1.3	−1.4	−1.3	−1.3	−1.2	−1.1	−1.2	−1.1	−1.1	−1.0
40	−1.3	−1.2	−1.2	−1.1	−1.1	−1.1	−1.0	−1.0	−1.0	−1.0	−1.1	−1.1	−1.2
30	−1.1	−1.1	−1.0	−0.9	−1.0	−1.0	−1.1	−1.1	−1.0	−1.0	−1.1		
20	−0.9	−1.0	−1.0	−1.1	−1.0	−1.0	−1.2	−1.3	−1.4	−1.4			
10	−0.9	−1.0	−1.2	−1.1	−1.1	−1.2	−1.3	−1.7			−1.2	−1.0	−0.7
53° 0′	−1.1	−1.2		−1.4	−1.4	−1.5	−1.4			−0.7	−0.7	−0.7	−0.7
50	−1.6			−1.0	−0.9	−0.8	−0.7	−0.7	−0.7	−0.7	−0.7	−0.6	−0.6
40	−0.8	−0.7	−0.7	−0.6	−0.7	−0.7	−0.7	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
30	−0.7	−0.7	−0.7	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
20	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
10	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
52° 0′	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
50	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
40	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7	−0.7	−0.7
30	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
20	−0.6	−0.6	−0.6	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
10	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
51° 0′	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
50	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.6
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.6	−0.6	−0.6	−0.6
10	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
50° 0′	−0.7	−0.7	−0.7	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
50	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
40	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
30	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
20	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
10	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
49° 0′	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
50	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
40	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
30	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
20	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7	−0.6	−0.6	−0.6	−0.6
10	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7	−0.7	−0.7
48° 0′	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7	−0.7	−0.7	−0.7	−0.7
	170° 0′	50	40	30	20	10	169° 0′	50	40	30	20	10	168° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	168° 0′	50	40	30	20	10	167° 0′	50	40	30	20	10	166° 0′
54° 0′	–1.2	–1.2	–1.2	–1.2	–1.1	–1.0	–1.1	–1.0		–1.1	–1.1	–0.8	–0.7
50	–1.0	–1.1	–1.0	–1.2	–1.3						–0.8		–0.7
40	–1.2	–1.0	–1.1	–1.1	–1.2	–1.2		–1.3				–0.7	–0.7
30			–1.0	–1.2	–1.3					–0.7	–0.7	–0.7	–0.7
20		–1.3				–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6
53° 0′	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
52° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
51° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.6	–0.6	–0.6
49° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
48° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	168° 0′	50	40	30	20	10	167° 0′	50	40	30	20	10	166° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	166° 0′	50	40	30	20	10	165° 0′	50	40	30	20	10	164° 0′
54° 0′	–0.7	–0.8	–0.9	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
53° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.6	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
52° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.7	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
51° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.6
50° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
49° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
48° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	166° 0′	50	40	30	20	10	165° 0′	50	40	30	20	10	164° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	164° 0′	50	40	30	20	10	163° 0′	50	40	30	20	10	162° 0′
54° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.6	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7
53° 0′	–0.6	–0.6	–0.6	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.6
52° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.7	–0.6	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.7	–0.6	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
51° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.7	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50° 0′	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
49° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
48° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	164° 0′	50	40	30	20	10	163° 0′	50	40	30	20	10	162° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
	162° 0′	50	40	30	20	10	161° 0′	50	40	30	20	10	160° 0′
54° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.6	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
53° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.6	–0.6
20	–0.7	–0.7	–0.6	–0.7	–0.6	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
L 52° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
A T 50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
I 40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
T 30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
U 20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
D 10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.6	–0.6	–0.6
E 51° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
50	–0.6	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
N 40	–0.7	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
O 30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
R 20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
T 10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
H 50° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
49° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
48° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	162° 0′	50	40	30	20	10	161° 0′	50	40	30	20	10	160° 0′
	LONGITUDE WEST												

LONGITUDE WEST

LATITUDE NORTH	160° 0′	50	40	30	20	10	159° 0′	50	40	30	20	10	158° 0′
54° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.6	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
53° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.6	–0.7	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
52° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7
30	–0.7	–0.6	–0.6	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
51° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
49° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
48° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	160° 0′	50	40	30	20	10	159° 0′	50	40	30	20	10	158° 0′

LONGITUDE WEST

LATITUDE NORTH	LONGITUDE WEST												
	158° 0′	50	40	30	20	10	157° 0′	50	40	30	20	10	156° 0′
54° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.6	–0.7	–0.6
10	–0.7	–0.7	–0.6	–0.7	–0.7	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
53° 0′	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7
52° 0′	–0.6	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
51° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
49° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
48° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
	158° 0′	50	40	30	20	10	157° 0′	50	40	30	20	10	156° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	156° 0′	50	40	30	20	10	155° 0′	50	40	30	20	10	154° 0′
54° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
30	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
53° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7
30	–0.6	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
52° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
51° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
49° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
48° 0′	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	156° 0′	50	40	30	20	10	155° 0′	50	40	30	20	10	154° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST 154° 0′	50	40	30	20	10	153° 0′	50	40	30	20	10	152° 0′
54° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
50	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.6	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
53° 0′	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
52° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
51° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
49° 0′	–0.7	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6
48° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
	154° 0′	50	40	30	20	10	153° 0′	50	40	30	20	10	152° 0′
	LONGITUDE WEST												

LONGITUDE WEST

LATITUDE NORTH	152° 0′	50	40	30	20	10	151° 0′	50	40	30	20	10	150° 0′
54° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.6	–0.6	–0.7	–0.7	–0.6	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
53° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
52° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
51° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
50° 0′	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6
49° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
48° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	152° 0′	50	40	30	20	10	151° 0′	50	40	30	20	10	150° 0′

LONGITUDE WEST

	LONGITUDE WEST												
LATITUDE NORTH	150° 0′	50	40	30	20	10	149° 0′	50	40	30	20	10	148° 0′
54° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.6	–0.6	–0.7	–0.7
50	–0.6	–0.6	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
53° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
52° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
51° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
50° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
49° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
48° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	150° 0′	50	40	30	20	10	149° 0′	50	40	30	20	10	148° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	148° 0′	50	40	30	20	10	147° 0′	50	40	30	20	10	146° 0′
54° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
53° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
52° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
51° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
50° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
49° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
48° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.6	–0.6	–0.6
	148° 0′	50	40	30	20	10	147° 0′	50	40	30	20	10	146° 0′
	LONGITUDE WEST												

5990–X

LATITUDE NORTH	146° 0′	50	40	30	20	10	145° 0′	50	40	30	20	10	144° 0′
	LONGITUDE WEST												
54° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
53° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
52° 0′	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
10	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
51° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6
49° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.5
50	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5
40	–0.7	–0.7	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.6	–0.6
20	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.5
10	–0.7	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5
48° 0′	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5
	146° 0′	50	40	30	20	10	145° 0′	50	40	30	20	10	144° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	144° 0′	50	40	30	20	10	143° 0′	50	40	30	20	10	142° 0′
54° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
53° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
52° 0′	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
51° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5
50° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5
50	–0.7	–0.7	–0.6	–0.7	–0.7	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.6
40	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.6	–0.6	–0.6	–0.5
30	–0.7	–0.7	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5
20	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5
10	–0.6	–0.6	–0.5	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
49° 0′	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4
50	–0.5	–0.5	–0.5	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4
40	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
30	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3
10	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3
48° 0′	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
	144° 0′	50	40	30	20	10	143° 0′	50	40	30	20	10	142° 0′
	LONGITUDE WEST												

LONGITUDE WEST

LATITUDE NORTH	142° 0′	50	40	30	20	10	141° 0′	50	40	30	20	10	140° 0′
54° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
53° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
40	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
52° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.5
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5
51° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.5	–0.5	–0.6	–0.6	–0.5
50	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.5	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5
40	–0.7	–0.7	–0.6	–0.6	–0.6	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5
30	–0.6	–0.6	–0.6	–0.5	–0.5	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4
20	–0.6	–0.5	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4
10	–0.5	–0.5	–0.5	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3
50° 0′	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3
50	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4
10	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.5
49° 0′	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.5	–0.5
50	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.5	–0.5	–0.5
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6
48° 0′	–0.3	–0.3	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6
	142° 0′	50	40	30	20	10	141° 0′	50	40	30	20	10	140° 0′

LONGITUDE WEST

5990–X

LATITUDE NORTH	LONGITUDE WEST 140° 0′	50	40	30	20	10	139° 0′	50	40	30	20	10	138° 0′
54° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
20	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
53° 0′	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.6	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.5	–0.5
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.5	–0.5	–0.6	–0.6
52° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5
50	–0.7	–0.7	–0.7	–0.6	–0.6	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5
40	–0.7	–0.6	–0.6	–0.5	–0.5	–0.5	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4
30	–0.6	–0.6	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3
20	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.3	–0.3	–0.3
10	–0.5	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3
51° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4
50	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.5
40	–0.5	–0.5	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.5	–0.5
30	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.5	–0.5	–0.5
20	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6
50° 0′	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6
50	–0.3	–0.3	–0.3	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6
40	–0.3	–0.3	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6
30	–0.3	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
49° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
40	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
30	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
20	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
48° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
	140° 0′	50	40	30	20	10	139° 0′	50	40	30	20	10	138° 0′

LONGITUDE WEST

	LONGITUDE WEST												
LATITUDE NORTH	138° 0′	50	40	30	20	10	137° 0′	50	40	30	20	10	136° 0′
54° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.6	–0.6	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.5	–0.6	–0.5	–0.5
53° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.5	–0.6	–0.6	–0.5	–0.5	–0.4
50	–0.7	–0.7	–0.7	–0.6	–0.6	–0.5	–0.5	–0.6	–0.5	–0.5	–0.5	–0.4	–0.3
40	–0.6	–0.6	–0.6	–0.5	–0.6	–0.6	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3
30	–0.6	–0.5	–0.5	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3
20	–0.5	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.3	–0.3	–0.3	–0.4	–0.5
10	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.5	–0.5
52° 0′	–0.5	–0.5	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.5	–0.5	–0.5
50	–0.5	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.5	–0.5	–0.5	–0.5	–0.6
40	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6
30	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6
20	–0.3	–0.3	–0.3	–0.4	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.3	–0.3	–0.4	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
51° 0′	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
40	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
30	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
20	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
20	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7
10	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8
49° 0′	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7		
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7
48° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.8
	138° 0′	50	40	30	20	10	137° 0′	50	40	30	20	10	136° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	136° 0′	50	40	30	20	10	135° 0′	50	40	30	20	10	134° 0′
54° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.6	–0.5	–0.4
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.5	–0.4	–0.3	–0.4
40	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.5	–0.5	–0.4	–0.3	–0.3	–0.4	–0.5
30	–0.6	–0.6	–0.5	–0.6	–0.5	–0.5	–0.4	–0.3	–0.3	–0.4	–0.5	–0.5	–0.6
20	–0.6	–0.6	–0.5	–0.5	–0.4	–0.4	–0.3	–0.3	–0.4	–0.5	–0.5	–0.6	–0.6
10	–0.5	–0.5	–0.4	–0.4	–0.3	–0.3	–0.3	–0.5	–0.5	–0.5	–0.6	–0.6	–0.7
53° 0′	–0.4	–0.4	–0.3	–0.3	–0.3	–0.4	–0.5	–0.5	–0.6	–0.6	–0.6	–0.7	–0.7
50	–0.3	–0.3	–0.3	–0.3	–0.4	–0.5	–0.5	–0.6	–0.6	–0.6	–0.7	–0.7	–0.8
40	–0.3	–0.3	–0.4	–0.4	–0.5	–0.5	–0.5	–0.6	–0.6	–0.7	–0.7	–0.8	–0.7
30	–0.3	–0.4	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.7	–0.7	–0.8	–0.7	–0.8
20	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.8	–0.8
10	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.8
52° 0′	–0.5	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8
50	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8
40	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8
30	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7
20	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
10	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7
51° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.8	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7
50° 0′	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.8
40	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
30	–0.7	–0.8	–0.8	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
20	–0.8	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8
10	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8
49° 0′	–0.8	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8
40	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
30	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
20	–0.7	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
10	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8
48° 0′	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8
	136° 0′	50	40	30	20	10	135° 0′	50	40	30	20	10	134° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	134° 0′	50	40	30	20	10	133° 0′	50	40	30	20	10	132° 0′
54° 0′	–0.4	–0.3	–0.4	–0.5	–0.6	–0.7							
50	–0.4	–0.5	–0.6	–0.6	–0.7	–0.9							
40	–0.5	–0.6	–0.6	–0.7	–0.8	–1.0	–1.0		–0.8	–0.9	–0.7		
30	–0.6	–0.6	–0.7	–0.7	–0.9	–0.9	–1.0						
20	–0.6	–0.7	–0.7	–0.8	–0.8	–0.9	–1.1	–1.1					
10	–0.7	–0.7	–0.8	–0.8	–0.8	–1.0	–0.9	–1.0	–0.9			–1.0	
53° 0′	–0.7	–0.8	–0.8	–0.7	–0.9	–0.8	–0.9	–0.9	–0.9	–1.2		–1.3	
50	–0.8	–0.7	–0.7	–0.8	–0.9	–0.8	–0.9	–0.8	–0.9	–1.0	–1.1		
40	–0.7	–0.7	–0.8	–0.9	–0.8	–0.9	–0.9	–0.8	–1.0	–1.0	–1.1	–1.1	–1.0
30	–0.8	–0.8	–0.8	–0.8	–0.9	–0.8	–0.8	–0.8	–0.9	–1.0	–1.1	–0.8	–0.8
20	–0.8	–0.9	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–1.0	–0.9	–0.8	–0.7
10	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–1.0	–1.0	–0.9	–0.7	–0.6
52° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–1.0	–1.0	–0.8	–0.6	–0.6
50	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.9	–0.8	–0.6	–0.6
40	–0.8	–0.8	–0.8	–0.7	–0.8	–0.8	–0.9	–0.9	–0.9	–0.9	–0.8	–0.6	–0.5
30	–0.7	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.9	–0.8	–0.6	–0.6	–0.5
20	–0.8	–0.8	–0.7	–0.8	–0.8	–0.9	–0.9	–0.9	–0.9	–0.7	–0.6	–0.6	–0.5
10	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.9	–0.9	–0.8	–0.7	–0.6	–0.6	–0.5
51° 0′	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.9	–0.8	–0.7	–0.6	–0.5	–0.5
50	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.6	–0.6	–0.5	–0.5
40	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.6	–0.6	–0.5	–0.4
30	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.5	–0.5	–0.5	–0.4
20	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.5	–0.5	–0.5	–0.4
10	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.6	–0.5	–0.5	–0.4	–0.4
50° 0′	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.6	–0.6	–0.5	–0.5	–0.4	–0.4
50	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.6	–0.5	–0.5	–0.5	–0.4	–0.3
40	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.6	–0.5	–0.5	–0.4	–0.4	–0.3
30	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.6	–0.5	–0.5	–0.4	–0.4	–0.3
20	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4	–0.3
10	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4	–0.3
49° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4	–0.3
50	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4	–0.3
40	–0.8	–0.8	–0.8	–0.8	–0.7	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.3
30	–0.8	–0.8	–0.8	–0.8	–0.7	–0.6	–0.5	–0.6	–0.5	–0.4	–0.4	–0.3	–0.3
20	–0.8	–0.8	–0.8	–0.8	–0.7	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4	–0.3	–0.3
10	–0.8	–0.8	–0.8	–0.7	–0.7	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4	–0.3	–0.3
48° 0′	–0.8	–0.8	–0.8	–0.7	–0.6	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4	–0.3	–0.3
	134° 0′	50	40	30	20	10	133° 0′	50	40	30	20	10	132° 0′
	LONGITUDE WEST												

LONGITUDE WEST

LATITUDE NORTH	132° 0′	50	40	30	20	10	131° 0′	50	40	30	20	10	130° 0′
54° 0′			–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.5			–0.8	
50			–0.4	–0.3	–0.3	–0.4	–0.3	–0.4	–0.4	–0.5			–0.8
40		–0.6	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.5			
30		–0.5	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4			–0.7
20		–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.5	–0.6	
10			–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.5	–0.5	–0.6
53° 0′				–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.5	–0.6
50		–0.6		–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.5	–0.5
40	–1.0		–0.4		–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.5
30	–0.8	–0.7			–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.5
20	–0.7	–0.6	–0.4		–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.5
10	–0.6	–0.6	–0.4	–0.6	–0.6		–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4
52° 0′	–0.6	–0.5	–0.4	–0.5	–0.5	–0.6	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4
50	–0.6	–0.5	–0.4	–0.4	–0.5	–0.5	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4
40	–0.5	–0.5	–0.4	–0.4	–0.4	–0.5	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.5	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.5	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.5	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
51° 0′	–0.5	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.5	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50° 0′	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
49° 0′	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3
48° 0′	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3
	132° 0′	50	40	30	20	10	131° 0′	50	40	30	20	10	130° 0′

LONGITUDE WEST

LONGITUDE WEST

LATITUDE NORTH	130° 0′	50	40	30	20	10	129° 0′	50	40	30	20	10	128° 0′
54° 0′									−2.4				
50	−0.8								−2.2				
40								−2.2					
30	−0.7			−2.0		−1.8			−1.9				
20			−1.8			−2.3							
10	−0.6		−0.9		−1.7								
53° 0′	−0.6	−0.7	−0.8	−1.0						−2.5			
50	−0.5	−0.6	−0.7	−0.9		−1.5				−2.2		−2.7	
40	−0.5	−0.5	−0.6	−0.7	−0.9							−2.6	
30	−0.5	−0.5	−0.6	−0.6	−0.8	−0.9	−1.6	−1.6	−2.6				−2.6
20	−0.5	−0.5	−0.5	−0.6	−0.7	−0.8	−1.1	−1.6		−2.3	−2.5	−2.1	−2.4
10	−0.4	−0.5	−0.5	−0.6	−0.6	−0.7	−0.9	−1.3	−1.5	−1.8			
52° 0′	−0.4	−0.5	−0.5	−0.5	−0.6	−0.6	−0.8	−0.9	−1.4	−1.4	−1.9	−2.3	
50	−0.4	−0.4	−0.5	−0.5	−0.5	−0.6	−0.6	−0.8	−1.0	−1.5	−1.5	−2.0	−2.3
40	−0.3	−0.4	−0.5	−0.5	−0.5	−0.6	−0.6	−0.7	−0.8	−1.2	−1.4	−1.5	
30	−0.3	−0.4	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.7	−0.9	−1.3	−1.3	
20	−0.3	−0.4	−0.4	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.8	−1.0	−1.3	−1.3
10	−0.3	−0.4	−0.4	−0.4	−0.4	−0.5	−0.5	−0.6	−0.6	−0.7	−0.8	−1.1	−1.3
51° 0′	−0.3	−0.3	−0.4	−0.4	−0.4	−0.5	−0.5	−0.6	−0.6	−0.6	−0.7	−0.9	−1.2
50	−0.3	−0.3	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.7		
40	−0.3	−0.3	−0.4	−0.4	−0.5	−0.4	−0.5	−0.5	−0.5	−0.6	−0.7		
30	−0.3	−0.3	−0.3	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.9	
20	−0.3	−0.3	−0.3	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.9
10	−0.3	−0.3	−0.3	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.7
50° 0′	−0.3	−0.3	−0.3	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6
50	−0.3	−0.3	−0.3	−0.3	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6
40	−0.3	−0.3	−0.3	−0.3	−0.4	−0.4	−0.5	−0.4	−0.5	−0.5	−0.5	−0.6	−0.6
30	−0.3	−0.3	−0.3	−0.3	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6
20	−0.3	−0.3	−0.3	−0.3	−0.3	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6
10	−0.3	−0.3	−0.3	−0.3	−0.3	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
49° 0′	−0.3	−0.3	−0.3	−0.3	−0.3	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5
50	−0.3	−0.3	−0.3	−0.3	−0.3	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5
40	−0.3	−0.3	−0.3	−0.3	−0.3	−0.3	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5
30	−0.3	−0.3	−0.3	−0.3	−0.3	−0.3	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5
20	−0.3	−0.3	−0.3	−0.3	−0.3	−0.3	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5
10	−0.3	−0.3	−0.3	−0.3	−0.3	−0.3	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5
48° 0′	−0.3	−0.3	−0.3	−0.3	−0.3	−0.3	−0.3	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5
	130° 0′	50	40	30	20	10	129° 0′	50	40	30	20	10	128° 0′

LONGITUDE WEST

5990–X

LATITUDE NORTH	LONGITUDE WEST 128° 0′	50	40	30	20	10	127° 0′	50	40	30	20	10	126° 0′
54° 0′													
50													
40													
30													
20													
10													
53° 0′													
50							–3.2						
40							–3.3						
30	–2.6	–2.8		–2.8									
20	–2.4		–2.7	–3.4		–3.0	–3.5						
10		–2.1		–2.9				–2.8					
52° 0′			–2.5						–3.2				
50	–2.3				–2.9				–3.6				
40					–2.7			–3.4	–3.6				
30		–2.4											
20	–1.3	–2.2	–2.2	–2.7		–2.9						–3.9	
10	–1.3	–1.5					–2.9		–3.4				
51° 0′	–1.2	–1.3	–1.6							–3.3			
50			–1.4	–1.8	–2.2	–2.4		–2.9			–3.4		
40						–2.1	–2.4	–2.6	–2.6	–2.8		–3.4	–3.6
30		–1.6	–1.6							–2.6	–2.7		
20	–0.9												
10	–0.7	–1.0											
50° 0′	–0.6	–0.9	–1.3	–1.7	–2.2	–2.1							
50	–0.6	–0.7	–1.0	–1.3	–1.6	–2.1	–2.5					–3.5	
40	–0.6	–0.6	–0.9	–1.1	–1.3	–1.7	–2.0						
30	–0.6	–0.6	–0.7	–0.9	–1.2	–1.4	–1.8	–1.9	–2.3				
20	–0.6	–0.6	–0.6	–0.8	–1.1	–1.3	–1.6	–1.9	–2.0	–2.4	–2.8		
10	–0.5	–0.6	–0.6	–0.7	–0.9	–1.2	–1.4	–1.7	–1.8	–2.1	–2.5	–2.8	
49° 0′	–0.5	–0.6	–0.6	–0.6	–0.8	–1.0	–1.2	–1.5	–1.8	–1.8	–2.1	–2.4	–2.8
50	–0.5	–0.5	–0.6	–0.6	–0.7	–0.9	–1.1	–1.3	–1.6	–1.8	–1.9	–2.2	–2.5
40	–0.5	–0.5	–0.6	–0.6	–0.6	–0.8	–1.0	–1.1	–1.4	–1.7	–1.7	–2.0	–2.3
30	–0.5	–0.5	–0.6	–0.6	–0.6	–0.7	–0.9	–1.0	–1.2	–1.5	–1.7	–1.7	–2.0
20	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.8	–0.9	–1.1	–1.3	–1.6	–1.7	–1.8
10	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.7	–0.8	–1.0	–1.1	–1.4	–1.6	–1.7
48° 0′	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.8	–0.9	–1.0	–1.2	–1.5	–1.6
	128° 0′	50	40	30	20	10	127° 0′	50	40	30	20	10	126° 0′

LONGITUDE WEST

LATITUDE NORTH	LONGITUDE WEST												
	126° 0'	50	40	30	20	10	125° 0'	50	40	30	20	10	124° 0'
54° 0'													
50													
40													
30													
20													
10													
53° 0'													
50													
40													
30													
20													
10													
52° 0'													
50													
40													
30													
20													
10													
51° 0'													
50			−3.8							−4.4			
40	−3.6			−3.8									
30		−3.4					−4.1						
20							−3.9						
10							−3.8		−3.9				
50° 0'							−3.4	−3.6					
50							−3.3	−3.3	−3.5				
40								−3.2	−3.3	−3.7			
30										−3.2			−3.7
20													−3.6
10			−3.5										
49° 0'	−2.8	−2.9			−3.5								
50	−2.5	−2.7	−3.0	−3.1	−3.3	−3.3							
40	−2.3	−2.6	−2.7	−3.0	−3.1	−3.2	−3.5						
30	−2.0	−2.3	−2.6	−2.8	−3.0	−3.1	−3.1	−3.4	−3.6	−3.9			
20	−1.8	−2.1	−2.4	−2.6	−2.7	−3.0	−3.1	−3.2	−3.7		−3.7	−4.0	−4.1
10	−1.7	−1.9	−2.2	−2.5	−2.6	−2.9	−2.9	−2.9					
48° 0'	−1.6	−1.7	−1.9	−2.2	−2.5	−2.6	−2.9	−2.9	−2.9				
	126° 0'	50	40	30	20	10	125° 0'	50	40	30	20	10	124° 0'
	LONGITUDE WEST												

LONGITUDE WEST

LATITUDE NORTH	170° 0'	50	40	30	20	10	169° 0'	50	40	30	20	10	168° 0'
48° 0'	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
47° 0'	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
46° 0'	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
45° 0'	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
44° 0'	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
43° 0'	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
42° 0'	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	170° 0'	50	40	30	20	10	169° 0'	50	40	30	20	10	168° 0'

LONGITUDE WEST

LATITUDE NORTH	LONGITUDE WEST												
	168° 0′	50	40	30	20	10	167° 0′	50	40	30	20	10	166° 0′
48° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
47° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	[illegible]	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
46° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
45° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
44° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
43° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
42° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6
	168° 0′	50	40	30	20	10	167° 0′	50	40	30	20	10	166° 0′
	LONGITUDE WEST												

LATITUDE NORTH	166° 0′	50	40	30	20	10	165° 0′	50	40	30	20	10	164° 0′
	LONGITUDE WEST												
48° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
47° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
46° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
45° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
44° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.7
43° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
42° 0′	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	166° 0′	50	40	30	20	10	165° 0′	50	40	30	20	10	164° 0′
	LONGITUDE WEST												

LONGITUDE WEST

LATITUDE NORTH	164° 0′	50	40	30	20	10	163° 0′	50	40	30	20	10	162° 0′
48° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
47° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
46° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
45° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
44° 0′	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
43° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
42° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
	164° 0′	50	40	30	20	10	163° 0′	50	40	30	20	10	162° 0′

LONGITUDE WEST

LONGITUDE WEST

LATITUDE NORTH	162° 0′	50	40	30	20	10	161° 0′	50	40	30	20	10	160° 0′
48° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
47° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
46° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
45° 0′	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
44° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
43° 0′	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
42° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
	162° 0′	50	40	30	20	10	161° 0′	50	40	30	20	10	160° 0′

LONGITUDE WEST

LONGITUDE WEST

LATITUDE NORTH	160° 0′	50	40	30	20	10	159° 0′	50	40	30	20	10	158° 0′
48° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
47° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
46° 0′	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
45° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
44° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
43° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
42° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	160° 0′	50	40	30	20	10	159° 0′	50	40	30	20	10	158° 0′

LONGITUDE WEST

	LONGITUDE WEST												
LATITUDE NORTH	158° 0′	50	40	30	20	10	157° 0′	50	40	30	20	10	156° 0′
48° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
47° 0′	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6
46° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
45° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
44° 0′	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
43° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
42° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	158° 0′	50	40	30	20	10	157° 0′	50	40	30	20	10	156° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	156° 0′	50	40	30	20	10	155° 0′	50	40	30	20	10	154° 0′
48° 0′	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6
47° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
46° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
45° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
44° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
43° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.6
42° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.6	–0.6	–0.6
	156° 0′	50	40	30	20	10	155° 0′	50	40	30	20	10	154° 0′
	LONGITUDE WEST												

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	LONGITUDE WEST												
LATITUDE NORTH	154° 0′	50	40	30	20	10	153° 0′	50	40	30	20	10	152° 0′
48° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
47° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
46° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
45° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
44° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.6	–0.6	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.6	–0.7	–0.6	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
43° 0′	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5
50	–0.7	–0.7	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5
40	–0.6	–0.6	–0.7	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5
30	–0.6	–0.6	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5
20	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
42° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6
	154° 0′	50	40	30	20	10	153° 0′	50	40	30	20	10	152° 0′
	LONGITUDE WEST												

LONGITUDE WEST

LATITUDE NORTH	152° 0′	50	40	30	20	10	151° 0′	50	40	30	20	10	150° 0′
48° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
47° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
46° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.6	–0.6	–0.6
45° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5
30	–0.7	–0.7	–0.6	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5
20	–0.7	–0.6	–0.7	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5
10	–0.6	–0.7	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5
44° 0′	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.5
20	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5
10	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5
43° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4
10	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4
42° 0′	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4
	152° 0′	50	40	30	20	10	151° 0′	50	40	30	20	10	150° 0′

LONGITUDE WEST

LATITUDE NORTH	LONGITUDE WEST												
	150° 0′	50	40	30	20	10	149° 0′	50	40	30	20	10	148° 0′
48° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
47° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.6	–0.6	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5
46° 0′	–0.7	–0.7	–0.6	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5
50	–0.7	–0.7	–0.7	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5
40	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6
20	–0.7	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.5
10	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5
45° 0′	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5
50	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4
44° 0′	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4
50	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5	–0.4	–0.4	–0.4
40	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5	–0.4	–0.4	–0.4	–0.4
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
43° 0′	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
50	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3
40	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
42° 0′	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
	150° 0′	50	40	30	20	10	149° 0′	50	40	30	20	10	148° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	148° 0′	50	40	30	20	10	147° 0′	50	40	30	20	10	146° 0′
48° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.6	–0.6	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.6	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5
30	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5
20	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5
10	–0.6	–0.6	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.6	–0.6
47° 0′	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.5
40	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5
30	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5
20	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
46° 0′	–0.5	–0.5	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4
50	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4
40	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4
30	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
45° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
50	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3
40	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
44° 0′	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4
30	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5
43° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5	–0.5
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
20	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
42° 0′	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
	148° 0′	50	40	30	20	10	147° 0′	50	40	30	20	10	146° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	146° 0′	50	40	30	20	10	145° 0′	50	40	30	20	10	144° 0′
48° 0′	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5
50	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4
30	–0.5	–0.5	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4
20	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4
10	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4
47° 0′	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3
30	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
46° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4
40	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4
30	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5	–0.5
45° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.3	–0.3	–0.3	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
44° 0′	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.3	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6
30	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6
20	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6
43° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
42° 0′	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
	146° 0′	50	40	30	20	10	145° 0′	50	40	30	20	10	144° 0′
	LONGITUDE WEST												

LONGITUDE WEST

LATITUDE NORTH	144° 0′	50	40	30	20	10	143° 0′	50	40	30	20	10	142° 0′
48° 0′	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4
30	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4
20	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.5
10	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.5	–0.5
47° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.5	–0.5	–0.5
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
46° 0′	–0.3	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6
50	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6
40	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6
30	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
45° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
44° 0′	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
43° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
42° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	144° 0′	50	40	30	20	10	143° 0′	50	40	30	20	10	142° 0′

LONGITUDE WEST

	LONGITUDE WEST												
LATITUDE NORTH	142° 0′	50	40	30	20	10	141° 0′	50	40	30	20	10	140° 0′
48° 0′	–0.3	–0.3	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6
50	–0.3	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6
40	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6
30	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
47° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
10	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
46° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
45° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
44° 0′	–0.6	-0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
43° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7
42° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7
	142° 0′	50	40	30	20	10	141° 0′	50	40	30	20	10	140° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST 140° 0′	50	40	30	20	10	139° 0′	50	40	30	20	10	138° 0′
48° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
47° 0′	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
46° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7
45° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
44° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.8
50	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
30	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
20	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
10	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7
43° 0′	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7
50	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7
40	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7
30	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.7	–0.7
20	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7
42° 0′	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7
	140° 0′	50	40	30	20	10	139° 0′	50	40	30	20	10	138° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	138° 0′	50	40	30	20	10	137° 0′	50	40	30	20	10	136° 0′
48° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.8
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.8
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.8	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7
47° 0′	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7
30	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7
10	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7
46° 0′	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7
40	–0.8	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.8	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
45° 0′	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
30	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
20	–0.7	–0.8	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
10	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8
44° 0′	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8
50	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8
40	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8
30	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8
20	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8
10	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
43° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8
42° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
	138° 0′	50	40	30	20	10	137° 0′	50	40	30	20	10	136° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST 136° 0′	50	40	30	20	10	135° 0′	50	40	30	20	10	134° 0′
48° 0′	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8
50	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
40	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
47° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
20	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
10	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7
46° 0′	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7
50	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7
40	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7
30	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7
20	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7
10	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.6
45° 0′	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.6
50	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.6
40	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.6
30	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.6
20	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.6	–0.6
10	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.6	–0.6
44° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.6	–0.6
50	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.6	–0.6
40	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.6	–0.6	–0.5
30	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.6	–0.6	–0.5
20	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.6	–0.6	–0.5
10	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.6	–0.6	–0.5
43° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.6	–0.6	–0.5
50	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.6	–0.6	–0.5	–0.5
40	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.6	–0.6	–0.5	–0.5
30	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.6	–0.6	–0.5	–0.5
20	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.6	–0.6	–0.5	–0.5
10	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.6	–0.6	–0.5	–0.5
42° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.6	–0.6	–0.6	–0.5	–0.5
	136° 0′ LONGITUDE WEST	50	40	30	20	10	135° 0′	50	40	30	20	10	134° 0′

LATITUDE NORTH	LONGITUDE WEST												
	134° 0′	50	40	30	20	10	133° 0′	50	40	30	20	10	132° 0′
48° 0′	–0.8	–0.8	–0.8	–0.7	–0.6	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4	–0.3	–0.3
50	–0.8	–0.8	–0.8	–0.7	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.3	–0.3
40	–0.8	–0.8	–0.8	–0.7	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.3	–0.3
30	–0.8	–0.8	–0.7	–0.7	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3
20	–0.8	–0.8	–0.7	–0.6	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3
10	–0.8	–0.8	–0.7	–0.6	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3
47° 0′	–0.8	–0.8	–0.7	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.3	–0.3	–0.3
50	–0.8	–0.7	–0.7	–0.6	–0.5	–0.6	–0.5	–0.5	–0.4	–0.4	–0.3	–0.3	–0.4
40	–0.8	–0.7	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.3	–0.3	–0.4
30	–0.8	–0.7	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.3	–0.3	–0.4
20	–0.8	–0.7	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3	–0.4
10	–0.7	–0.7	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3	–0.4
46° 0′	–0.7	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3	–0.4
50	–0.7	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3	–0.4
40	–0.7	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3	–0.4
30	–0.7	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.3	–0.3	–0.3	–0.4
20	–0.7	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.3	–0.3	–0.3	–0.4
10	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.4
45° 0′	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.4
50	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.4
40	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.4
30	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.4
20	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3	–0.4	–0.4
10	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3	–0.4	–0.4
44° 0′	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.4	–0.4
50	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.4	–0.4
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.4	–0.4
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.4	–0.4
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.4	–0.4
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.4	–0.4
43° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.4	–0.4
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.4	–0.4
40	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.4	–0.4
30	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.4	–0.4
20	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.4	–0.4
10	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.4	–0.4
42° 0′	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4
	134° 0′	50	40	30	20	10	133° 0′	50	40	30	20	10	132° 0′
	LONGITUDE WEST												

LONGITUDE WEST

LATITUDE NORTH	132° 0′	50	40	30	20	10	131° 0′	50	40	30	20	10	130° 0′
48° 0′	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3
47° 0′	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3
46° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3
45° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3
44° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.3	–0.4	–0.3	–0.3	–0.3	–0.3
43° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.3	–0.4	–0.4	–0.3	–0.3	–0.3
42° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
	132° 0′	50	40	30	20	10	131° 0′	50	40	30	20	10	130° 0′

LONGITUDE WEST

LATITUDE NORTH	LONGITUDE WEST 130° 0′	50	40	30	20	10	129° 0′	50	40	30	20	10	128° 0′
48° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5	–0.4	–0.5
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5	–0.5
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5	–0.4
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5	–0.5
47° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.5	–0.5
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
46° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4
45° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
44° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
43° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
42° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
	130° 0′	50	40	30	20	10	129° 0′	50	40	30	20	10	128° 0′
	LONGITUDE WEST												

LONGITUDE WEST

LATITUDE NORTH	128° 0′	50	40	30	20	10	127° 0′	50	40	30	20	10	126° 0′
48° 0′	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.8	−0.9	−1.0	−1.2	−1.5	−1.6
50	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.7	−0.8	−0.9	−1.1	−1.3	−1.5
40	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.8	−0.9	−1.0	−1.2	−1.4
30	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.7	−0.8	−0.9	−1.1	−1.3
20	−0.4	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.8	−0.9	−1.0	−1.2
10	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.7	−0.8	−0.9	−1.1
47° 0′	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.8	−0.9	−1.0
50	−0.5	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.7	−0.8	−0.9
40	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.8	−0.9
30	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.7	−0.8
20	−0.4	−0.5	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.8
10	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.7
46° 0′	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.7
50	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6
40	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6
30	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6
20	−0.4	−0.4	−0.5	−0.5	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6
10	−0.4	−0.4	−0.4	−0.5	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6
45° 0′	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6
50	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6
40	−0.4	−0.4	−0.4	−0.4	−0.5	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6
30	−0.4	−0.4	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6
20	−0.3	−0.4	−0.4	−0.4	−0.5	−0.5	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
10	−0.3	−0.4	−0.4	−0.4	−0.5	−0.5	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
44° 0′	−0.3	−0.4	−0.4	−0.4	−0.4	−0.5	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
50	−0.3	−0.4	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
40	−0.3	−0.4	−0.4	−0.4	−0.4	−0.5	−0.5	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5
30	−0.3	−0.3	−0.4	−0.4	−0.4	−0.4	−0.5	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5
20	−0.3	−0.3	−0.4	−0.4	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
10	−0.3	−0.3	−0.4	−0.4	−0.4	−0.4	−0.5	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5
43° 0′	−0.3	−0.3	−0.4	−0.4	−0.4	−0.4	−0.5	−0.5	−0.4	−0.5	−0.5	−0.5	−0.5
50	−0.3	−0.3	−0.3	−0.4	−0.4	−0.4	−0.4	−0.4	−0.5	−0.4	−0.5	−0.5	−0.5
40	−0.3	−0.3	−0.3	−0.4	−0.4	−0.4	−0.4	−0.5	−0.5	−0.4	−0.5	−0.5	−0.5
30	−0.3	−0.3	−0.3	−0.4	−0.4	−0.4	−0.4	−0.5	−0.5	−0.4	−0.5	−0.5	−0.5
20	−0.3	−0.3	−0.3	−0.4	−0.4	−0.4	−0.4	−0.5	−0.5	−0.4	−0.4	−0.5	−0.5
10	−0.3	−0.3	−0.3	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5
42° 0′	−0.3	−0.3	−0.3	−0.3	−0.4	−0.4	−0.4	−0.4	−0.5	−0.5	−0.4	−0.5	−0.5
	128° 0′	50	40	30	20	10	127° 0′	50	40	30	20	10	126° 0′

LONGITUDE WEST

	LONGITUDE WEST												
	126° 0′	50	40	30	20	10	125° 0′	50	40	30	20	10	124° 0′
48° 0′	–1.6	–1.7	–1.9	–2.2	–2.5	–2.6	–2.9	–2.9	–2.9				
50	–1.5	–1.5	–1.8	–2.0	–2.3	–2.5	–2.5	–2.8	–3.0				
40	–1.4	–1.6	–1.6	–1.8	–2.1	–2.3	–2.4	–2.7	–2.8	–2.9			
30	–1.3	–1.5	–1.6	–1.6	–1.9	–2.1	–2.4	–2.5	–2.7	–2.7			
20	–1.2	–1.4	–1.6	–1.6	–1.7	–2.0	–2.2	–2.4	–2.4	–2.7	–2.8		
10	–1.1	–1.3	–1.5	–1.6	–1.7	–1.8	–2.1	–2.3	–2.4	–2.6	–2.7		
47° 0′	–1.0	–1.2	–1.3	–1.6	–1.6	–1.7	–1.9	–2.1	–2.3	–2.4	–2.7	–2.6	
50	–0.9	–1.0	–1.2	–1.5	–1.6	–1.6	–1.8	–2.1	–2.2	–2.4	–2.4	–2.7	
40	–0.9	–1.0	–1.2	–1.3	–1.6	–1.5	–1.6	–1.9	–2.1	–2.3	–2.4	–2.6	–2.7
30	–0.8	–0.9	–1.0	–1.2	–1.4		–1.5	–1.7	–2.0	–2.1	–2.4	–2.4	–2.7
20	–0.8	–0.9	–1.0	–1.1	–1.3	–1.6	–1.5	–1.6	–1.8	–2.1	–2.3	–2.3	
10	–0.7	–0.8	–0.9	–1.0	–1.2	–1.4		–1.6	–1.7	–1.9	–2.1	–2.3	–2.4
L 46° 0′	–0.7	–0.8	–0.9	–1.0	–1.1	–1.3	–1.5	–1.6	–1.6	–1.8	–2.1	–2.2	–2.4
A													
T 50	–0.6	–0.7	–0.8	–0.9	–1.0	–1.2	–1.4	–1.6	–1.6	–1.7	–1.9	–2.1	–2.3
I 40	–0.6	–0.7	–0.8	–0.9	–1.0	–1.1	–1.3	–1.5	–1.6	–1.6	–1.8	–2.0	–2.2
T 30	–0.6	–0.6	–0.8	–0.8	–0.9	–1.0	–1.2	–1.4	–1.6	–1.5	–1.6	–1.8	–2.1
U 20	–0.6	–0.6	–0.7	–0.8	–0.9	–1.0	–1.1	–1.3	–1.5	–1.6	–1.6	–1.7	
D 10	–0.6	–0.6	–0.6	–0.8	–0.8	–0.9	–1.0	–1.2	–1.4	–1.6	–1.5	–1.6	–1.8
E 45° 0′	–0.6	–0.6	–0.6	–0.7	–0.8	–0.9	–1.0	–1.1	–1.3	–1.5	–1.6	–1.5	
50	–0.6	–0.6	–0.6	–0.6	–0.8	–0.8	–0.9	–1.0	–1.2	–1.4	–1.6	–1.5	
N 40	–0.6	–0.6	–0.6	–0.6	–0.7	–0.8	–0.9	–1.0	–1.1	–1.3	–1.5	–1.6	
O 30	–0.6	–0.6	–0.6	–0.6	–0.7	–0.8	–0.8	–1.0	–1.1	–1.2	–1.4	–1.6	
R 20	–0.5	–0.6	–0.6	–0.6	–0.6	–0.7	–0.8	–0.9	–1.0	–1.2	–1.3	–1.5	
T 10	–0.5	–0.6	–0.6	–0.6	–0.6	–0.7	–0.8	–0.9	–1.0	–1.1	–1.2	–1.4	
H 44° 0′	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.8	–0.8	–0.9	–1.0	–1.2	–1.3	
50	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.7	–0.8	–0.9	–1.0	–1.1	–1.2	
40	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.8	–0.8	–0.9	–1.0		
30	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.7	–0.8	–0.9	–1.0		
20	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.7	–0.8	–0.8			
10	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.8			
43° 0′	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.7	–0.8			
50	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6				
40	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7			
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.7			
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6			
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6			
42° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6		
	126° 0′	50	40	30	20	10	125° 0′	50	40	30	20	10	124° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	170° 0′	50	40	30	20	10	169° 0′	50	40	30	20	10	168° 0′
42° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
41° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
40° 0′	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
39° 0′	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
38° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
37° 0′	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
36° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
	170° 0′	50	40	30	20	10	169° 0′	50	40	30	20	10	168° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	168° 0′	50	40	30	20	10	167° 0′	50	40	30	20	10	166° 0′
42° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
41° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
39° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
38° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
37° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
36° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	168° 0′	50	40	30	20	10	167° 0′	50	40	30	20	10	166° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	166° 0′	50	40	30	20	10	165° 0′	50	40	30	20	10	164° 0′
42° 0′	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
41° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40° 0′	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
39° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
38° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
37° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
36° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	166° 0′	50	40	30	20	10	165° 0′	50	40	30	20	10	164° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	164° 0′	50	40	30	20	10	163° 0′	50	40	30	20	10	162° 0′
42° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
41° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
40° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
39° 0′	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
38° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7
37° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
36° 0′	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	164° 0′	50	40	30	20	10	163° 0′	50	40	30	20	10	162° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	162° 0′	50	40	30	20	10	161° 0′	50	40	30	20	10	160° 0′
42° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.6	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
41° 0′	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7
39° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
38° 0′	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
37° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7	–0.6	–0.6
36° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
	162° 0′	50	40	30	20	10	161° 0′	50	40	30	20	10	160° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	160° 0′	50	40	30	20	10	159° 0′	50	40	30	20	10	158° 0′
42° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7
41° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40° 0′	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
39° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
38° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5
10	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5
37° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5
50	–0.6	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5
40	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5
30	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
36° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
	160° 0′	50	40	30	20	10	159° 0′	50	40	30	20	10	158° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	158° 0′	50	40	30	20	10	157° 0′	50	40	30	20	10	156° 0′
42° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
41° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.6	–0.6
40° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.6	–0.6	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.7	–0.7	–0.6	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.7	–0.6	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5
39° 0′	–0.6	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5
50	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5
40	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
38° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.5
20	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5
37° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
36° 0′	–0.5	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
	158° 0′	50	40	30	20	10	157° 0′	50	40	30	20	10	156° 0′
	LONGITUDE WEST												

LONGITUDE WEST

LATITUDE NORTH	156° 0′	50	40	30	20	10	155° 0′	50	40	30	20	10	154° 0′
42° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.6	–0.6	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6
20	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5
41° 0′	–0.7	–0.6	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5
50	–0.6	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5
40	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5
30	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6
40° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.5
30	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.5	–0.5
20	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5
39° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4
38° 0′	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4
50	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4
40	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5	–0.4	–0.4	–0.4
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5	–0.4	–0.4	–0.4	–0.4
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
37° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
30	–0.5	–0.5	–0.5	–0.4	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
20	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
10	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
36° 0′	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3
	156° 0′	50	40	30	20	10	155° 0′	50	40	30	20	10	154° 0′

LONGITUDE WEST

	LONGITUDE WEST												
LATITUDE NORTH	154° 0′	50	40	30	20	10	153° 0′	50	40	30	20	10	152° 0′
42° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.5
30	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.5	–0.5
20	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5
41° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4
20	–0.5	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5
10	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4
40° 0′	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4
50	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
39° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
40	–0.5	–0.5	–0.4	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
30	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3
20	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
38° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
37° 0′	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4
36° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4
	154° 0′	50	40	30	20	10	153° 0′	50	40	30	20	10	152° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	152° 0′	50	40	30	20	10	151° 0′	50	40	30	20	10	150° 0′
42° 0′	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4
50	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
41° 0′	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
50	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
40	–0.5	–0.4	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.4	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
39° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5
38° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
20	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5
37° 0′	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
36° 0′	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
	152° 0′	50	40	30	20	10	151° 0′	50	40	30	20	10	150° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	150° 0′	50	40	30	20	10	149° 0′	50	40	30	20	10	148° 0′
42° 0′	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
41° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5	–0.5
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
40° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.3	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
39° 0′	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6
38° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
37° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
36° 0′	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
	150° 0′	50	40	30	20	10	149° 0′	50	40	30	20	10	148° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	148° 0′	50	40	30	20	10	147° 0′	50	40	30	20	10	146° 0′
42° 0′	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.3	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6
41° 0′	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6
40° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
39° 0′	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
38° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
37° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
36° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
	148° 0′	50	40	30	20	10	147° 0′	50	40	30	20	10	146° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST 146° 0′	50	40	30	20	10	145° 0′	50	40	30	20	10	144° 0′
42° 0′	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
41° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
40° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
39° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
38° 0′	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
37° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
36° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	146° 0′	50	40	30	20	10	145° 0′	50	40	30	20	10	144° 0′ LONGITUDE WEST

LATITUDE NORTH	LONGITUDE WEST 144° 0′	50	40	30	20	10	143° 0′	50	40	30	20	10	142° 0′
42° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
41° 0′	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
39° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
38° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7
37° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.8
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.8	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.8	–0.7	–0.7
36° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7
	144° 0′	50	40	30	20	10	143° 0′	50	40	30	20	10	142° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	142° 0′	50	40	30	20	10	141° 0′	50	40	30	20	10	140° 0′
42° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.8
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.8	–0.7
41° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.8	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7
40° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
39° 0′	–0.7	–0.7	–0.8	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7
40	–0.7	–0.8	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
30	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
20	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
10	–0.8	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7
38° 0′	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7
50	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7
30	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7
37° 0′	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7
36° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7
	142° 0′	50	40	30	20	10	141° 0′	50	40	30	20	10	140° 0′
	LONGITUDE WEST												

LONGITUDE WEST

LATITUDE NORTH	140° 0′	50	40	30	20	10	139° 0′	50	40	30	20	10	138° 0′
42° 0′	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7
30	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
41° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40° 0′	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
39° 0′	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
38° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8
37° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
36° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
	140° 0′	50	40	30	20	10	139° 0′	50	40	30	20	10	138° 0′

LONGITUDE WEST

LONGITUDE WEST

LATITUDE NORTH	138° 0′	50	40	30	20	10	137° 0′	50	40	30	20	10	136° 0′
42° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
41° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
20	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
10	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
40° 0′	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
50	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
40	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
30	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
20	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
10	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
39° 0′	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
50	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
40	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
30	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
20	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
10	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
38° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
50	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
40	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
30	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
20	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
10	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
37° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
50	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7
40	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7
30	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7
20	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7
10	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7
36° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7
	138° 0′	50	40	30	20	10	137° 0′	50	40	30	20	10	136° 0′

LONGITUDE WEST

LONGITUDE WEST

LATITUDE NORTH	136° 0′	50	40	30	20	10	135° 0′	50	40	30	20	10	134° 0′
42° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.6	–0.6	–0.6	–0.5	–0.5
50	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.6	–0.6	–0.5	–0.5	–0.5
40	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.6	–0.6	–0.5	–0.5	–0.5
30	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.6	–0.6	–0.5	–0.5	–0.5
20	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.6	–0.6	–0.5	–0.5	–0.5
10	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5
41° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5
50	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5
40	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5
30	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5
20	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5
10	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5
40° 0′	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.8	–0.8	–0.8	–0.7	–0.7	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.8	–0.8	–0.8	–0.7	–0.7	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5
39° 0′	–0.8	–0.8	–0.8	–0.7	–0.7	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.8	–0.8	–0.7	–0.7	–0.7	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.8	–0.8	–0.7	–0.7	–0.7	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.8	–0.8	–0.7	–0.7	–0.7	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.8	–0.8	–0.7	–0.7	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.8	–0.8	–0.7	–0.7	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
38° 0′	–0.8	–0.8	–0.7	–0.7	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.8	–0.8	–0.7	–0.7	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.8	–0.7	–0.7	–0.7	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.8	–0.7	–0.7	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4
20	–0.8	–0.7	–0.7	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4
10	–0.8	–0.7	–0.7	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
37° 0′	–0.8	–0.7	–0.7	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4
50	–0.7	–0.7	–0.7	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4
40	–0.7	–0.7	–0.7	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4
30	–0.7	–0.7	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4
20	–0.7	–0.7	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4
10	–0.7	–0.7	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4
36° 0′	–0.7	–0.7	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4
	136° 0′	50	40	30	20	10	135° 0′	50	40	30	20	10	134° 0′

LONGITUDE WEST

	LONGITUDE WEST												
LATITUDE NORTH	134° 0′	50	40	30	20	10	133° 0′	50	40	30	20	10	132° 0′
42° 0′	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4
50	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4
40	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
30	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
20	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
10	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
41° 0′	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
50	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
40	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
30	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
20	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
10	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
40° 0′	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
50	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
40	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
30	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
20	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
10	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
39° 0′	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
50	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
40	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
30	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
20	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
10	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
38° 0′	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
50	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
40	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
10	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
37° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
10	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
36° 0′	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
	134° 0′	50	40	30	20	10	133° 0′	50	40	30	20	10	132° 0′
	LONGITUDE WEST												

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LATITUDE NORTH	LONGITUDE WEST												
	132° 0′	50	40	30	20	10	131° 0′	50	40	30	20	10	130° 0′
42° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
41° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
40° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
39° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
50	–0.4	–0.4	–0.3	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
40	–0.4	–0.4	–0.3	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
30	–0.4	–0.4	–0.3	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
20	–0.4	–0.4	–0.3	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
38° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
20	–0.4	–0.4	–0.3	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
37° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.3	–0.4	–0.4	–0.3	–0.3
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
36° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
	132° 0′	50	40	30	20	10	131° 0′	50	40	30	20	10	130° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	130° 0′	50	40	30	20	10	129° 0′	50	40	30	20	10	128° 0′
42° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
41° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
39° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
38° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
37° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
36° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
	130° 0′	50	40	30	20	10	129° 0′	50	40	30	20	10	128° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	128° 0′	50	40	30	20	10	127° 0′	50	40	30	20	10	126° 0′
42° 0′	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.4	–0.5	–0.5
50	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.4	–0.4	–0.5
40	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.4	–0.5
30	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.5
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.4	–0.5
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.4	–0.4
41° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.4
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.4
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.5
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5
40° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5
39° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
38° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
37° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4
36° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4
	128° 0′	50	40	30	20	10	127° 0′	50	40	30	20	10	126° 0′
	LONGITUDE WEST												

		LONGITUDE WEST												
		126° 0′	50	40	30	20	10	125° 0′	50	40	30	20	10	124° 0′
	42° 0′	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6		
	50	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6		
	40	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	−1.0	
	30	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	
	20	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	
	10	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	
	41° 0′	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	
	50	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6		
	40	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6		
	30	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6			
	20	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6			
	10	−0.5	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6		
L	40° 0′	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.9	
A														
T	50	−0.5	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.8	−1.0
I	40	−0.4	−0.5	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.8
T	30	−0.4	−0.5	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.8
U	20	−0.5	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.7
D	10	−0.5	−0.5	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6
E	39° 0′	−0.5	−0.5	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6
	50	−0.4	−0.4	−0.5	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6
N	40	−0.4	−0.5	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6
O	30	−0.4	−0.5	−0.5	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
R	20	−0.4	−0.5	−0.5	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
T	10	−0.4	−0.5	−0.4	−0.5	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
H	38° 0′	−0.4	−0.4	−0.5	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
	50	−0.4	−0.4	−0.5	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
	40	−0.4	−0.4	−0.5	−0.5	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
	30	−0.4	−0.4	−0.5	−0.4	−0.5	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
	20	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
	10	−0.4	−0.4	−0.4	−0.5	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
	37° 0′	−0.4	−0.4	−0.4	−0.5	−0.5	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5
	50	−0.4	−0.4	−0.4	−0.5	−0.4	−0.5	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
	40	−0.4	−0.4	−0.4	−0.4	−0.4	−0.5	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5
	30	−0.4	−0.4	−0.4	−0.4	−0.5	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5
	20	−0.4	−0.4	−0.4	−0.4	−0.5	−0.4	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5
	10	−0.4	−0.4	−0.4	−0.4	−0.5	−0.4	−0.5	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5
	36° 0′	−0.4	−0.4	−0.4	−0.4	−0.5	−0.4	−0.5	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5
		126° 0′	50	40	30	20	10	125° 0′	50	40	30	20	10	124° 0′
		LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	124° 0′	50	40	30	20	10	123° 0′	50	40	30	20	10	122° 0′
42° 0′													
50													
40													
30													
20													
10													
41° 0′													
50													
40													
30													
20													
10													
40° 0′													
50	−1.0												
40	−0.8	−1.2											
30	−0.8	−1.0											
20	−0.7	−0.9											
10	−0.6	−0.8											
39° 0′	−0.6	−0.8											
50	−0.6	−0.7	−0.9										
40	−0.6	−0.6	−0.8	−1.4									
30	−0.5	−0.6	−0.7	−1.2	−1.8								
20	−0.5	−0.6	−0.7	−0.9	−1.5	−1.9							
10	−0.5	−0.6	−0.6	−0.8	−1.2	−1.7	−2.1						
38° 0′	−0.5	−0.5	−0.6	−0.7	−1.1	−1.6		−2.6					
50	−0.5	−0.5	−0.6	−0.7	−0.8	−1.4	−1.7	−2.1	−2.9				
40	−0.5	−0.5	−0.6	−0.6	−0.7	−1.2	−1.6	−1.9	−2.6	−3.1			
30	−0.5	−0.5	−0.5	−0.6	−0.7	−1.1	−1.5	−1.8	−2.2	−2.8			
20	−0.5	−0.5	−0.5	−0.6	−0.7	−0.8	−1.4	−1.6	−2.0	−2.6			
10	−0.5	−0.5	−0.5	−0.6	−0.6	−0.8	−1.1	−1.5	−1.8	−2.4			
37° 0′	−0.5	−0.5	−0.5	−0.5	−0.6	−0.7	−1.0	−1.4	−1.7	−2.1	−2.7	−3.8	
50	−0.5	−0.5	−0.5	−0.5	−0.6	−0.7	−0.8	−1.3	−1.6	−1.9	−2.5	−3.4	−3.4
40	−0.5	−0.5	−0.5	−0.5	−0.6	−0.7	−0.8	−1.1	−1.4	−1.7	−2.3	−2.9	−3.4
30	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.7	−1.0	−1.3	−1.6	−2.0	−2.6	−3.3
20	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.7	−0.9	−1.3	−1.5	−1.8	−2.4	−3.2
10	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.7	−0.8	−1.1	−1.4	−1.7	−2.2	−2.9
36° 0′	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.7	−1.0	−1.4	−1.6	−1.9	−2.5
	124° 0′	50	40	30	20	10	123° 0′	50	40	30	20	10	122° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST 158° 0′	50	40	30	20	10	157° 0′	50	40	30	20	10	156° 0′
36° 0′	–0.5	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5
30	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5	–0.4	–0.4	–0.4
35° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5	–0.4	–0.4	–0.4	–0.4
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
34° 0′	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
50	–0.5	–0.5	–0.4	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
40	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
30	–0.5	–0.4	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3
10	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3
33° 0′	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
32° 0′	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
31° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4
30° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4
	158° 0′	50	40	30	20	10	157° 0′	50	40	30	20	10	156° 0′ LONGITUDE WEST

LATITUDE NORTH	LONGITUDE WEST												
	156° 0′	50	40	30	20	10	155° 0′	50	40	30	20	10	154° 0′
36° 0′	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3
50	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
35° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
34° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4
33° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5
32° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
20	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
10	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5
31° 0′	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30° 0′	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
	156° 0′	50	40	30	20	10	155° 0′	50	40	30	20	10	154° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	154° 0′	50	40	30	20	10	153° 0′	50	40	30	20	10	152° 0′
36° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5
35° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
30	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
20	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
34° 0′	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
33° 0′	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
32° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.5	–0.6
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.5	–0.6
31° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.5	–0.6	–0.6	–0.6	–0.6
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6
	154° 0′	50	40	30	20	10	153° 0′	50	40	30	20	10	152° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	152° 0′	50	40	30	20	10	151° 0′	50	40	30	20	10	150° 0′
36° 0′	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6
35° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.5	–0.6
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6
34° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.5	–0.6	–0.6	–0.6	–0.6
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
33° 0′	–0.5	–0.5	–0.5	–0.5	–0.6	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.5	–0.5	–0.5	–0.6	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
32° 0′	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
31° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
	152° 0′	50	40	30	20	10	151° 0′	50	40	30	20	10	150° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	150° 0′	50	40	30	20	10	149° 0′	50	40	30	20	10	148° 0′
36° 0′	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.5	–0.6	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
35° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
34° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
33° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
32° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
31° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30° 0′	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	150° 0′	50	40	30	20	10	149° 0′	50	40	30	20	10	148° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	148° 0′	50	40	30	20	10	147° 0′	50	40	30	20	10	146° 0′
36° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
35° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
34° 0′	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
33° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
32° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
31° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7
30° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	148° 0′	50	40	30	20	10	147° 0′	50	40	30	20	10	146° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	146° 0′	50	40	30	20	10	145° 0′	50	40	30	20	10	144° 0′
36° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
35° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7
34° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
33° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7
32° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.8	–0.7
20	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7
31° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.8	–0.7	–0.7
50	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	146° 0′	50	40	30	20	10	145° 0′	50	40	30	20	10	144° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	144° 0′	50	40	30	20	10	143° 0′	50	40	30	20	10	142° 0′
36° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
35° 0′	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.8	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
34° 0′	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
40	–0.7	–0.8	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.8	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7
10	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
33° 0′	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
20	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7
32° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7
31° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7
30° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7
	144° 0′	50	40	30	20	10	143° 0′	50	40	30	20	10	142° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	142° 0′	50	40	30	20	10	141° 0′	50	40	30	20	10	140° 0′
36° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
35° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
34° 0′	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
33° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
32° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.[illegible]	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
31° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
30° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
	142° 0′	50	40	30	20	10	141° 0′	50	40	30	20	10	140° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	140° 0′	50	40	30	20	10	139° 0′	50	40	30	20	10	138° 0′
36° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8
35° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
34° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
33° 0′	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
50	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
40	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
20	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
10	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
32° 0′	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
50	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
40	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
30	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
20	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
10	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
31° 0′	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
50	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
40	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
30	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
20	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
10	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
30° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
	140° 0′	50	40	30	20	10	139° 0′	50	40	30	20	10	138° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
	138° 0′	50	40	30	20	10	137° 0′	50	40	30	20	10	136° 0′
36° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7
50	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7
40	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7
30	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7
20	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7
10	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7
35° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7
50	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7
40	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7
30	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.6
20	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.6
10	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.6
34° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.6
50	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.6
40	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.6
30	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.6
20	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.6	–0.6
10	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.6	–0.6
33° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.6	–0.6
50	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.6	–0.6
40	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.6	–0.6
30	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
20	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
10	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
32° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
50	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
40	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
30	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
20	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6
10	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6
31° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.5
50	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.5
40	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.5
30	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.5
20	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.5
10	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.5
30° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.5
	138° 0′	50	40	30	20	10	137° 0′	50	40	30	20	10	136° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST 136° 0′	50	40	30	20	10	135° 0′	50	40	30	20	10	134° 0′
36° 0′	–0.7	–0.7	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4
50	–0.7	–0.7	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4
40	–0.7	–0.7	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4
30	–0.7	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4
20	–0.7	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4
10	–0.7	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4
35° 0′	–0.7	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4
50	–0.7	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4
40	–0.7	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4
30	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4
20	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4
10	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4
34° 0′	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4
50	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4
40	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4
30	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4
20	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4
10	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4
33° 0′	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4
50	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4
40	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4
30	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4
20	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4
10	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4
32° 0′	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4
50	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4
40	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4
30	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4
20	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4
10	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4
31° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4
30° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4
	136° 0′	50	40	30	20	10	135° 0′	50	40	30	20	10	134° 0′
	LONGITUDE WEST												

		LONGITUDE WEST												
		134° 0′	50	40	30	20	10	133° 0′	50	40	30	20	10	132° 0′
	36° 0′	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
	50	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
	40	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
	30	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
	20	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
	10	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
	35° 0′	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
	50	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
	40	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
	30	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
	20	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
	10	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
L	34° 0′	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
A														
T	50	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
I	40	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.3	–0.4	–0.4
T	30	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.3	–0.4	–0.4
U	20	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
D	10	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
E	33° 0′	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
	50	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
N	40	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
O	30	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
R	20	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
T	10	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
H	32° 0′	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
	50	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
	40	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
	30	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
	20	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
	10	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
	31° 0′	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
	50	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
	40	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
	30	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
	20	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
	10	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
	30° 0′	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
		134° 0′	50	40	30	20	10	133° 0′	50	40	30	20	10	132° 0′
		LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	132° 0′	50	40	30	20	10	131° 0′	50	40	30	20	10	130° 0′
36° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.3	–0.4	–0.4	–0.3	–0.3
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
30	–0.4	–0.4	–0.3	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
20	–0.4	–0.4	–0.3	–0.4	–0.4	–0.3	–0.4	–0.4	–0.3	–0.4	–0.4	–0.3	–0.3
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
35° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.3	–0.4	–0.4	–0.3	–0.3
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.3	–0.4	–0.4	–0.3	–0.3
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.3	–0.4	–0.4	–0.3	–0.3
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
34° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
33° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
32° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
31° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
30° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
	132° 0′	50	40	30	20	10	131° 0′	50	40	30	20	10	130° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	130° 0'	50	40	30	20	10	129° 0'	50	40	30	20	10	128° 0'
36° 0'	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
35° 0'	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
34° 0'	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
33° 0'	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
32° 0'	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
31° 0'	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30° 0'	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
	130° 0'	50	40	30	20	10	129° 0'	50	40	30	20	10	128° 0'
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	128° 0′	50	40	30	20	10	127° 0′	50	40	30	20	10	126° 0′
36° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4
35° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
34° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
33° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
32° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
31° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
	128° 0′	50	40	30	20	10	127° 0′	50	40	30	20	10	126° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST 126° 0′	50	40	30	20	10	125° 0′	50	40	30	20	10	124° 0′
36° 0′	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.5	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.5	–0.4	–0.4	–0.5	–0.5	–0.5
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5
35° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.5	–0.4	–0.4	–0.5	–0.5
30	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.5	–0.4	–0.4	–0.5	–0.5
20	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5
10	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.4	–0.4	–0.4	–0.5
34° 0′	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.4	–0.4	–0.4	–0.5
50	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.5	–0.4	–0.4	–0.5
40	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.4	–0.4	–0.4
10	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.4	–0.4	–0.4
33° 0′	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.5	–0.4	–0.4
50	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.4	–0.4	–0.4
40	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.4	–0.4
20	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.5	–0.4
10	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.5	–0.4
32° 0′	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.4	–0.4
50	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
40	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.4
30	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.4
20	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.5
10	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.4
31° 0′	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.4
50	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4
40	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4
30° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5
	126° 0′	50	40	30	20	10	125° 0′	50	40	30	20	10	124° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	124° 0′	50	40	30	20	10	123° 0′	50	40	30	20	10	122° 0′
36° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.7	–1.0	–1.4	–1.6	–1.9	–2.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.7	–0.9	–1.3	–1.5	–1.8	–2.4
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.7	–0.8	–1.2	–1.4	–1.7	–2.2
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.7	–1.0	–1.4	–1.6	–1.9
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.7	–1.0	–1.3	–1.5	–1.8
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.7	–0.8	–1.2	–1.5	–1.7
35° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.7	–0.8	–1.1	–1.4	–1.6
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.7	–1.0	–1.3	–1.6
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.7	–0.8	–1.3	–1.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.7	–0.8	–1.1	–1.4
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.7	–1.0	–1.3
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.7	–0.9	–1.3
34° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.7	–0.8	–1.1
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.7	–0.7	–1.0
40	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.7	–1.0
30	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.7	–0.8
20	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.7	–0.8
10	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.7
33° 0′	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.7
50	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.7
40	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.7
30	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6
20	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6
10	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6
32° 0′	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6
50	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6
40	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
31° 0′	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.4	–0.5	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.4	–0.5	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30° 0′	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
	124° 0′	50	40	30	20	10	123° 0′	50	40	30	20	10	122° 0′
	LONGITUDE WEST												

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